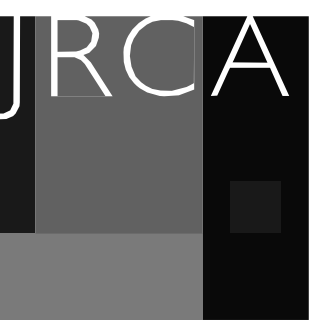


# INTERMOUNTAIN SNOWBASIN CLINIC

3925 SNOW BASIN RD  
HUNTSVILLE, UTAH 84317

## GENERAL NOTES:

- WHILE THE DOCUMENTS ARE SEPARATED BY SHEET NUMBERS FOR CONVENIENCE IN REFERENCING DOCUMENTATION, SHEET NAMES AND NUMBERS ARE NOT INTENDED TO DEFINE SCOPE. CONTRACTORS AND SUBCONTRACTORS ARE RESPONSIBLE FOR ALL WORK DESCRIBED IN THE ENTIRE PACKAGE.



ARCHITECTS  
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## ABBREVIATIONS

A	AC	ADD	A/C	AL.T.	AL	A.B.	&	ARCH	ASP	@	B	BSMT.	B.M.	BLKG.	BD.	B.O.	BLDG.	C	CABT	C.I.P.	C.B.	CL.G.	CL	C.T.	CH	C.O.	CL.R.	CL	COL.	CONC.	CMU	COND.	CONN.	CONST.	CONT	CJ	D	D.P.	D.B.	DIAG.	DIA.	DIM.	DISP.	DWL.	DN.	D.S.	D.W.V.	DWG.	E	EA.	E.W.C.	EL.	ELEV.	EQ.	EQUIP.	EXH.	EXIST.	E.J.	EXT.	F	FT.	FIN.	F.E.	F.E.C.	FIXT.	FL.	FLASHING	G	GALV.	GA.	G.C.	G.S.N.	GL.	GD.	GRL.	GRD.	GYP.	H	HDW.	HDWD.	HTR.	HT.	H.P.	H.M.	HORIZ.	H.B.	H.W.	HR.	I	IN.	I.D.	INSUL.	INT.	INV.	J	JAN.	JT.	JST.	L	LAM.	LDG.	LAV.	L.T.	L.W.C.	LVR.	M	M.B.	MFR.	M.O.	MATL.	MAX.	MECH.	MTL.	MIN.	M.LDG.	MULL.	N	N.G.	NOM.	N/A	N.I.C.	N.T.S.	O	O.C.	OPNG.	O.D.	O.F.S.	O.F.C.I.	P	PT.	PTD.	PR.	PNL.	d	P.L.	PL	PLBG.	P.C.	PLYWD	PLYWOOD	P.S.I.	P.S.F.	R	RAD.	REC.	REG.	REQD	R.A.	REV.	R.D.	R.F.G.	RM.	RGH.	RND.	S	SCR	SECT.	SEL.	SHT.	SIM.	SLDG.	SM.	SPEC.	SPL.	SQ.	S.S.	STD.	STRUC.	S.A.	SUSP.	SW.BD.	T	TELCO	T.G.	T&G	T&B	T.O.	T.O.C.	T.O.D.	T.O.P.	TYP.	U	U.N.O.	V	V.	V.T.R.	VERT.	V.G.	VEST.	V.C.T.	V.C.P.	W	W.C.	W.H.	W.P.	W.R.	W.W.F.	W.F.	WDW.	W	W/O	WD.																																																																																																																																																																											
AC	ACOUSTIC	ADD	ADDENDUM	A/C	AIR CONDITIONING	AL.T.	ALTERNATE	AL	ALUMINUM	A.B.	ANCHOR BOLT AND	ARCH	ARCHITECT(URAL)	ASP	ASPHALT	@	AT	B	BSMT.	B.M.	BENCHMARK	BLKG.	BLOCKING	BD.	BOARD	B.O.	BOTTOM OF BUILDING	C	CABT	CABINET	C.I.P.	CAST IN PLACE	C.B.	CATCH BASIN	CL.G.	CEILING	CL	CENTER LINE	C.T.	CERAMIC TILE	CH	CHANNEL	C.O.	CLEAN OUT	CL.R.	CLEAR	CL	CLOSET	COL.	COLUMN	CONC.	CONCRETE	CMU	CONCRETE MASONRY UNIT	COND.	CONDITION	CONN.	CONNECTION	CONST.	CONSTRUCTION	CONT	CONTINUOUS	CJ	CONTROL JOINT	D	D.P.	DAMP PROOFING	D.B.	DECK BEARING	DIAG.	DIAGONAL	DIA.	DIAMETER	DIM.	DIMENSION	DISP.	DISPENSER	DWL.	DOWEL	DN.	DOWN	D.S.	DOWN SPOUT	D.W.V.	DRAINAGE WASTE VENT	DWG.	DRAWING	E	EA.	EACH	E.W.C.	ELEC. WATER COOLER	EL.	ELECTRIC	ELEV.	ELEVATION	EQ.	EQUAL	EQUIP.	EQUIPMENT	EXH.	EXHAUST	EXIST.	EXISTING	E.J.	EXPANSION JOINT	EXT.	EXTERIOR	F	FT.	FEET	FIN.	FINISHED	F.E.	FIRE EXTINGUISHER	F.E.C.	FIRE EXTINGUISHER CABINET	FIXT.	FIXTURE	FL.	FLASHING	G	GALV.	GALVANIZED	GA.	GAUGE	G.C.	GENERAL CONTRACTOR	G.S.N.	GENERAL STRUCTURAL NOTES	GL.	GLASS	GD.	GRADE	GRL.	GRILLE	GRD.	GROUND	GYP.	GYPSUM	H	HDW.	HARDWARE	HDWD.	HARDWOOD	HTR.	HEATER	HT.	HEIGHT	H.P.	HIGH POINT	H.M.	HOLLOW METAL	HORIZ.	HORIZONTAL	H.B.	HOSE BIB	H.W.	HOT WATER	HR.	HOUR	I	IN.	INCH	I.D.	INSIDE DIAMETER	INSUL.	INSULATION	INT.	INTERIOR	INV.	INVERT	J	JAN.	JANITOR	JT.	JOINT	JST.	JOIST	L	LAM.	LAMINATED	LDG.	LANDING	LAV.	LAVATORY	L.T.	LIGHT	L.W.C.	LIGHT WEIGHT CONCRETE	LVR.	LOUVER	M	M.B.	MACHINE BOLT	MFR.	MANUFACTURER	M.O.	MASONRY OPENING	MATL.	MATERIAL	MAX.	MAXIMUM	MECH.	MECHANICAL	MTL.	METAL	MIN.	MINIMUM	M.LDG.	MOLDING	MULL.	MULLION	N	N.G.	NATURAL GRADE	NOM.	NOMINAL	N/A	NOT APPLICABLE	N.I.C.	NOT IN CONTRACT	N.T.S.	NOT TO SCALE	O	O.C.	ON CENTER	OPNG.	OPENING	O.D.	OUTSIDE DIAMETER	O.F.S.	OVERFLOW SCUPPER	O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED	P	PT.	PAINT	PTD.	PAINTED	PR.	PAIR	PNL.	PANEL	d	PENNY	P.L.	PLASTIC LAMINATE	PL	PLATE	PLBG.	PLUMBING	P.C.	PLUMBING CONTRACTOR	PLYWD	PLYWOOD	P.S.I.	POUND PER SQUARE INCH	P.S.F.	POUNDS PER SQUARE FOOT	R	RAD.	RADIUS	REC.	RECOMMENDATION	REG.	REGISTER	REQD	REQUIRED	R.A.	RETURN AIR	REV.	REVISION	R.D.	ROOF DRAIN	R.F.G.	ROOFING	RM.	ROOM	RGH.	ROUGH	RND.	ROUND	S	SCR	SCREW	SECT.	SECTION	SEL.	SELECT	SHT.	SHEET	SIM.	SIMILAR	SLDG.	SLIDING	SM.	SMOOTH	SPEC.	SPECIFICATION	SPL.	SPLASH	SQ.	SQUARE	S.S.	STAINLESS STEEL	STD.	STANDARD	STRUC.	STRUCTURE	S.A.	SUPPLY AIR	SUSP.	SUSPENDED	SW.BD.	SWITCHBOARD	T	TELCO	TELEPHONE COMPANY	T.G.	TEMPERED GLASS	T&G	TONGUE & GROOVE	T&B	TOP & BOTTOM	T.O.	TOP OF	T.O.C.	TOP OF CURB	T.O.D.	TOP OF DECK	T.O.P.	TOP OF PARAPET	TYP.	TYPICAL	U	U.N.O.	UNLESS NOTED OTHERWISE	V	V.	V.T.R.	VENT THROUGH ROOF	VERT.	VERTICAL	V.G.	VERTICAL GRAIN	VEST.	VESTIBULE	V.C.T.	VINYL COMPOSITION TILE	V.C.P.	VITREOUS CLAY PIPE	W	W.C.	WATER CLOSET	W.H.	WATER HEATER	W.P.	WATER PROOF	W.R.	WATER RESISTANT	W.W.F.	WELDED WIRE FABRIC	W.F.	WIDE FLANGE	WDW.	WINDOW	W	WITH	W/O	WITHOUT	WD.	WOOD

## MATERIALS / SYMBOLS

	PLYWOOD (SECTION)		CENTERLINE
	WOOD MOLDING		BUILDING SECTION FLAG
	CONCRETE (SECTION)		WALL SECTION / EXTERIOR ELEVATION
	GYPSUM BOARD (SECTION)		INTERIOR ELEVATION
	TILE (PLAN)		DETAIL
	COMPACTED GRAVEL (SECTION)		GRID HEAD
	COMPACTED SUBGRADE		WINDOW TAG
	STEEL FRAMING (PLAN, SECTION)		DOOR TAG
	CMU (PLAN, SECTION)		ROOM TAG
	BRICK VENEER (PLAN, SECTION)		WALL TYPE
	RIGID INSULATION (SECTION)		KEYNOTE TAG
	REVISION TAG		WINDOW GLAZING TAG
	ELEVATION NAME		ELEVATION, (DATUM)
	VIEW NAME		DRAWING TITLE

## DESIGN TEAM

### ARCHITECT

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### ELECTRICAL ENGINEER

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DP101	BUILDING DEMOLITION PLAN
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AE121	FURNISHINGS PLAN
AE131	MAIN FLOOR REFLECTED CEILING PLAN
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EE601	ONE-LINE DIAGRAM
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INTERMOUNTAIN SNOWBASIN CLINIC

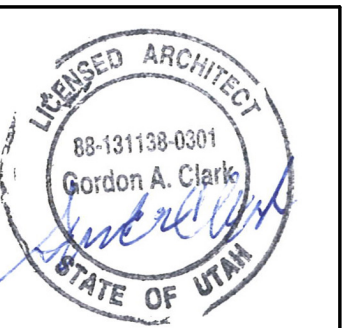
3925 SNOW BASIN RD  
HUNTSVILLE, UTAH 84317

PROJECT #: 19028

PERMIT/BID DOCUMENTS  
07/31/2019

DATE	REVISION

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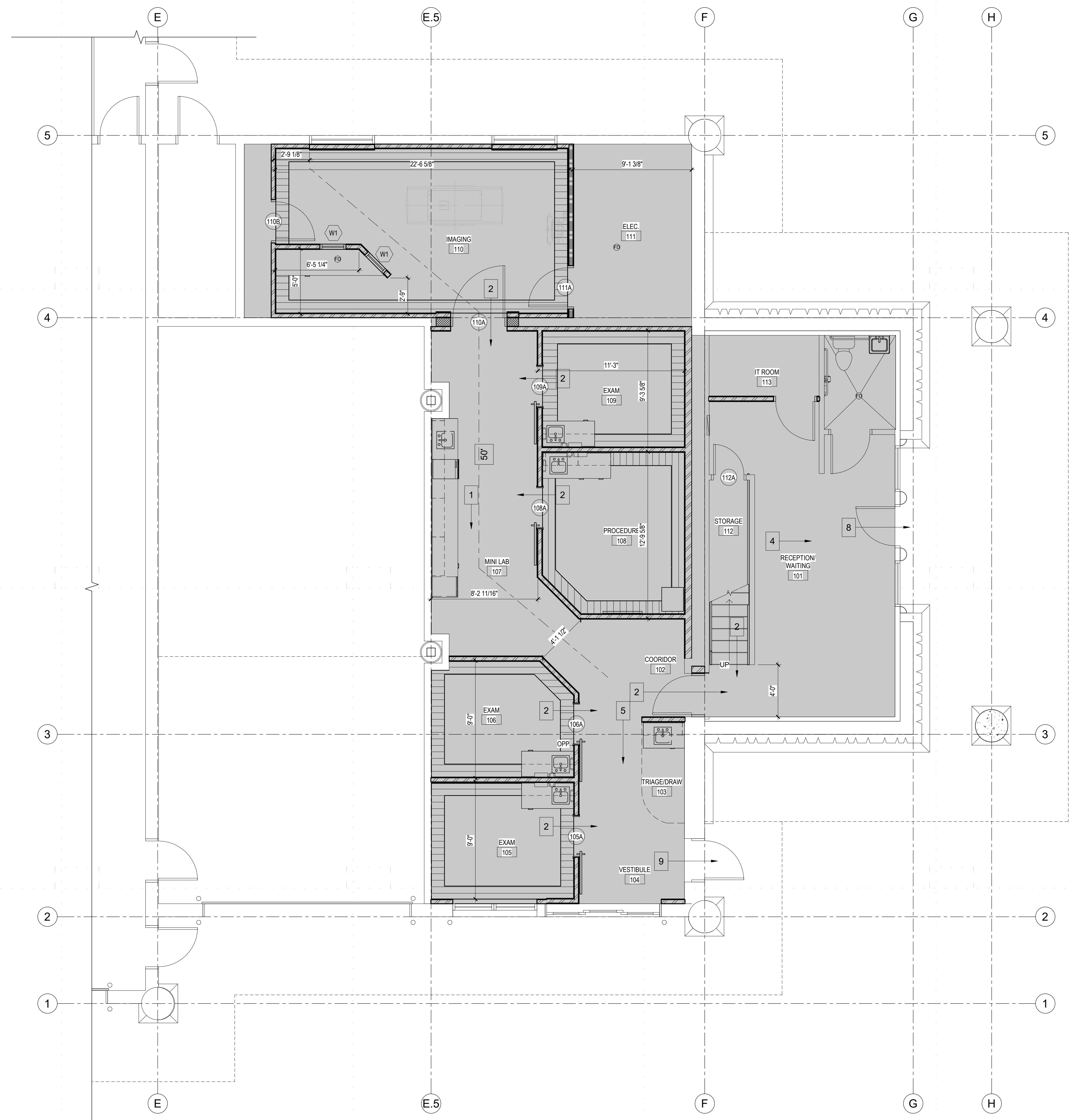


GENERAL INFORMATION

GI101

PERMIT/BID DOCUMENTS

07/31/2019



1 FLOOR CODE ANALYSIS PLAN  
 G111 SCALE 1/4" = 1'-0"

**CODE ANALYSIS**

Project: INTERMOUNTAIN SNOWBASIN CLINIC  
 Project Address: 3925 SNOW BASIN RD HUNTSVILLE, UTAH 84317  
 Municipality/Jurisdiction: HUNTSVILLE, UTAH 84317  
 Owner: INTERMOUNTAIN HEALTHCARE  
 Permit number: xxxxxxxxxx

Applicable Codes: 2018 International Building Code  
 2018 International Energy Conservation Code  
 2018 International Plumbing Code  
 2018 International Mechanical Code  
 2018 National Electric Code  
 NFPA 101 (Current Edition)  
 ANSI A117.1 (Current Edition)  
 2013 ASHRAE 90.1

Construction Type (circle):  
 I-A I-B II-A II-B III-A III-B IV-A IV-B V-A (V-B)

Occupancy Group(s): B  
 Mixed Use (circle): YES (NO)

**Section 503 - Allowable Height and Areas**

Allowable Height of Building as per IBC Table 504.3: FEET - 60, STORIES - 2  
 Allowable Area per Story as per IBC Table 506.2:  
 Type II-B  
 B 27,000  
 Total Allowable Area = 54,000  
 Actual Height of Building: FEET - 36, STORIES - 2  
 Actual Building Area = 18,705 sf

Entire building is equipped with automatic fire suppression system: Yes

**Section 506 - Building Area Modification**

Main  
 Occupancy Type B  
 Actual 1,798 sf = 1,798 sf  
 Allowable 1,798 (IIB)

Non-Separated Occupancies as per IBC 508.3 (circle): YES (NO)  
 Separated Occupancies as per IBC 508.4 (circle): YES (NO)

Section 508.4 - Separation(S)  
 A / B - 1 hr

Chapter 6 - Fire Resistance Rated Construction  
 Table 601 - Type IIB does not require fire resistance for building elements.  
 Table 602 - Fire separation is greater than 30 feet, no additional fire resistance is required

Chapter 7 - Fire and Smoke Protection  
 Section 707 - Fire barriers required for separated uses per Table 508.4  
 Section 707.6 - Openings shall be protected per Section 716  
 Section 707.7 - Penetrations shall comply with Section 714  
 Section 713.14.1 - Elevator lobby not required

Design Occupant Load  
 Design Occupant Load as per IBC Table 1004.1.2: 100  
 B: 17 Occupants  
 Total: 17 Occupants

Egress Width  
 Required Egress Width as per IBC 1005.3:  
 Actual Egress Width Provided:

Plumbing Fixtures (Table 2902.1)  
 Using B @ 17 Occupants  
 1 per 25 - 610 - 50 (1 fixture)

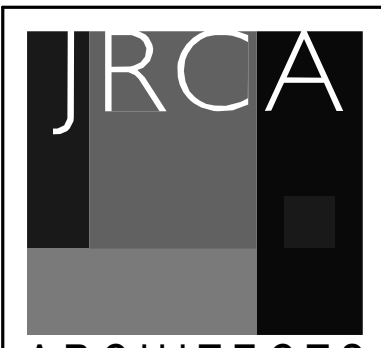
Gender Neutral = 1 total

Drinking Fountains Required - Not Required  
 Drinking Fountains Provided -

Service Sinks Required = 1  
 Service Sinks Provided = 2

Exit Access Travel Distance (Table 1016.2)  
 B: 300'

Corridor Width (Table 1018.2)  
 Required minimum: 44 inches  
 Actual minimum: 50 inches



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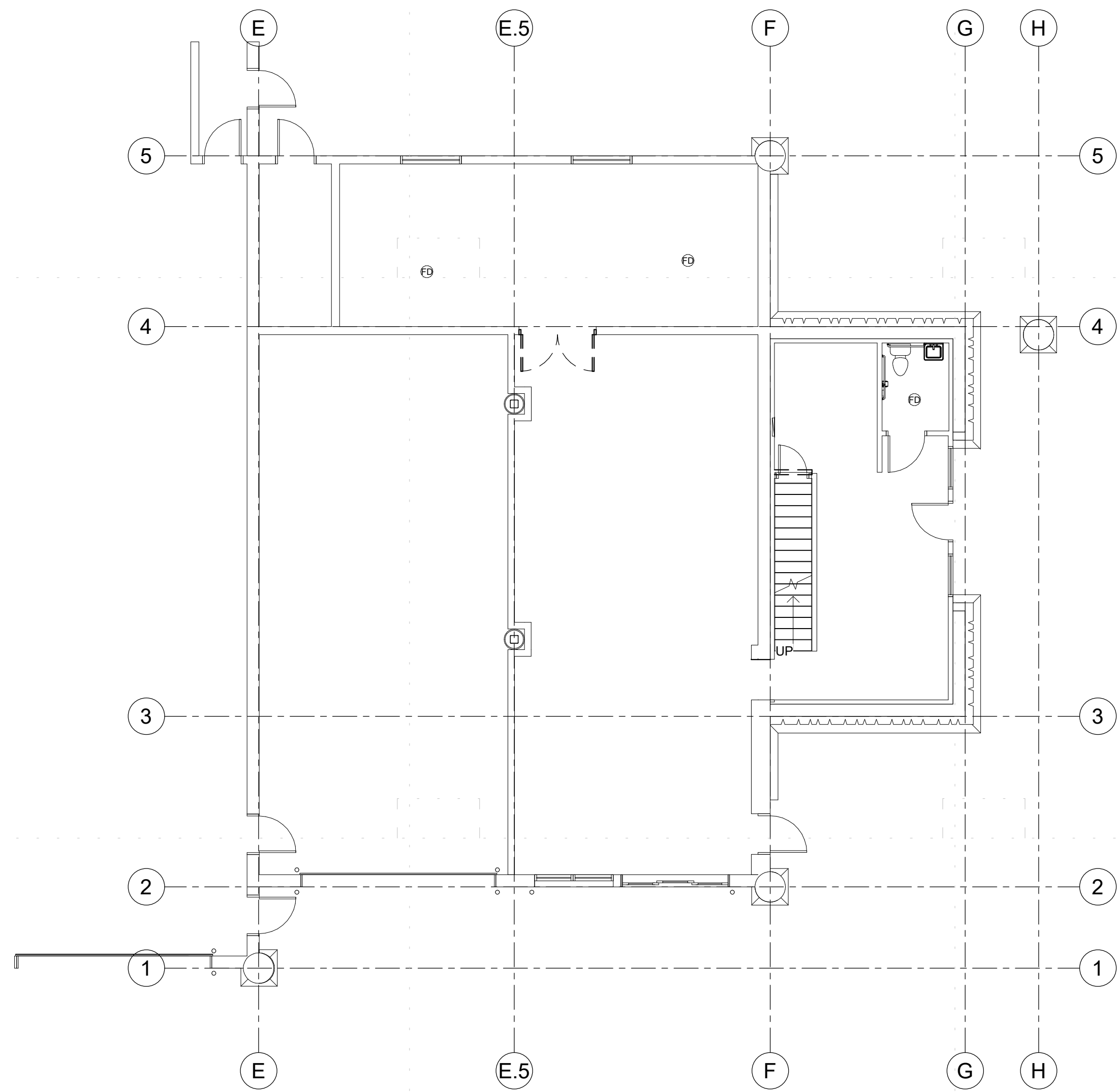
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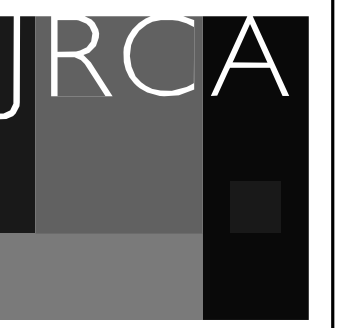
CODE ANALYSIS

G111





A3  
 DP101 DEMO MAIN LEVEL FLOOR PLAN  
 SCALE 1/8" = 1'-0"



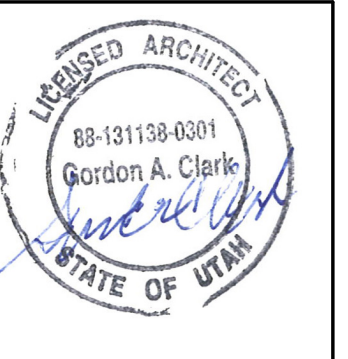
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INTERMOUNTAIN SNOWBASIN CLINIC

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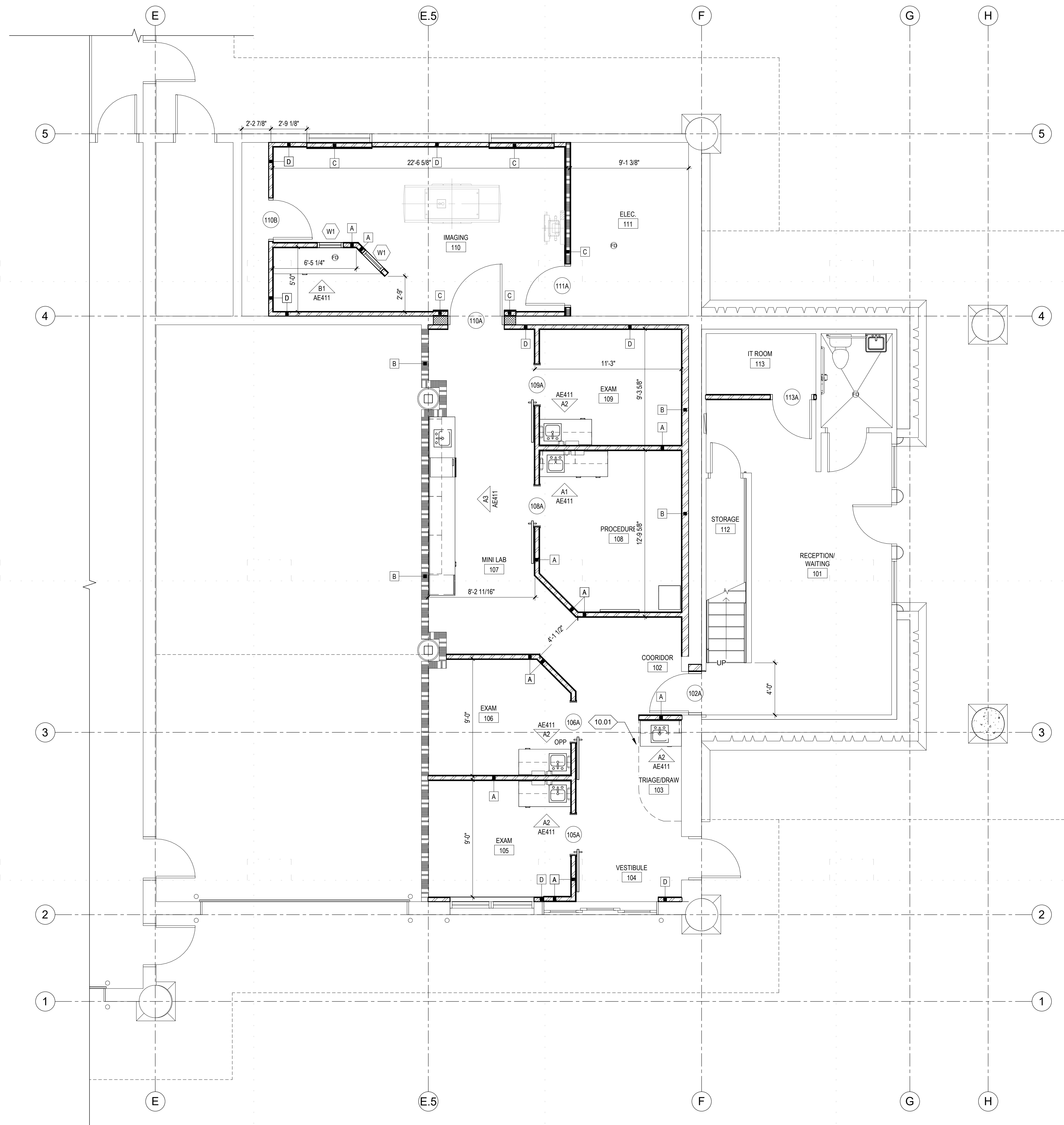
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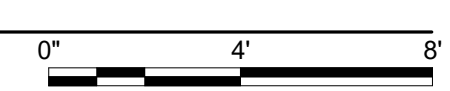


BUILDING  
 DEMOLITION  
 PLAN

DP101



**A4**  
**AE101** FLOOR PLAN  
SCALE 1/4" = 1'-0"



- GENERAL NOTES:**
- SEE SHEET G101 FOR ARCHITECTURAL LEGENDS, SYMBOLS, AND ABBREVIATIONS.
  - ALL DIMENSIONS ARE TO FACE OF STUD OR CMU IN NEW CONSTRUCTION, FACE OF FINISH IN EXISTING (U.N.O.).
  - ALL FLOOR FINISH CHANGES OCCUR AT CENTER LINE OF DOORS IN CLOSED POSITION U.N.O.
  - COORDINATE LOCATIONS OF ALL FLOOR AND ROOF DRAINS WITH PLUMBING PLANS.
  - SEE SHEET AE511 FOR WALL TYPES & DETAILS.
  - SEE SHEET AE601 FOR DOOR SCHEDULE.
  - ALL ANGLED WALLS ARE AT 45°, UNLESS NOTED OTHERWISE.
  - SEE E4/AE411 FOR TYPICAL TOILET ACCESSORIES INSTALLATION.

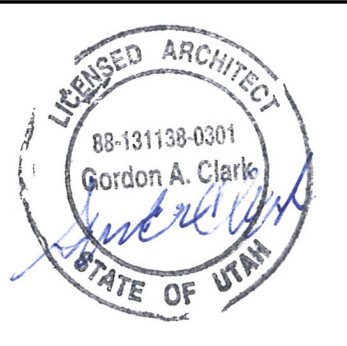
- KEY NOTES:**
- 10.01 CURTAIN

- FLOOR PLAN LEGEND:**
- 1i WINDOW TAG, SEE WINDOW TYPES SHEET AE601
  - 101A DOOR TAG, SEE DOOR SCHEDULE SHEET AE601
  - ROOM NAME ROOM TAG, SEE FINISH SCHEDULE AE121
  - 1i WALL TYPE TAG, SEE SHEET AE511

- INTERIOR WALL LEGEND:**
- WALL ASSEMBLY AS SCHEDULED

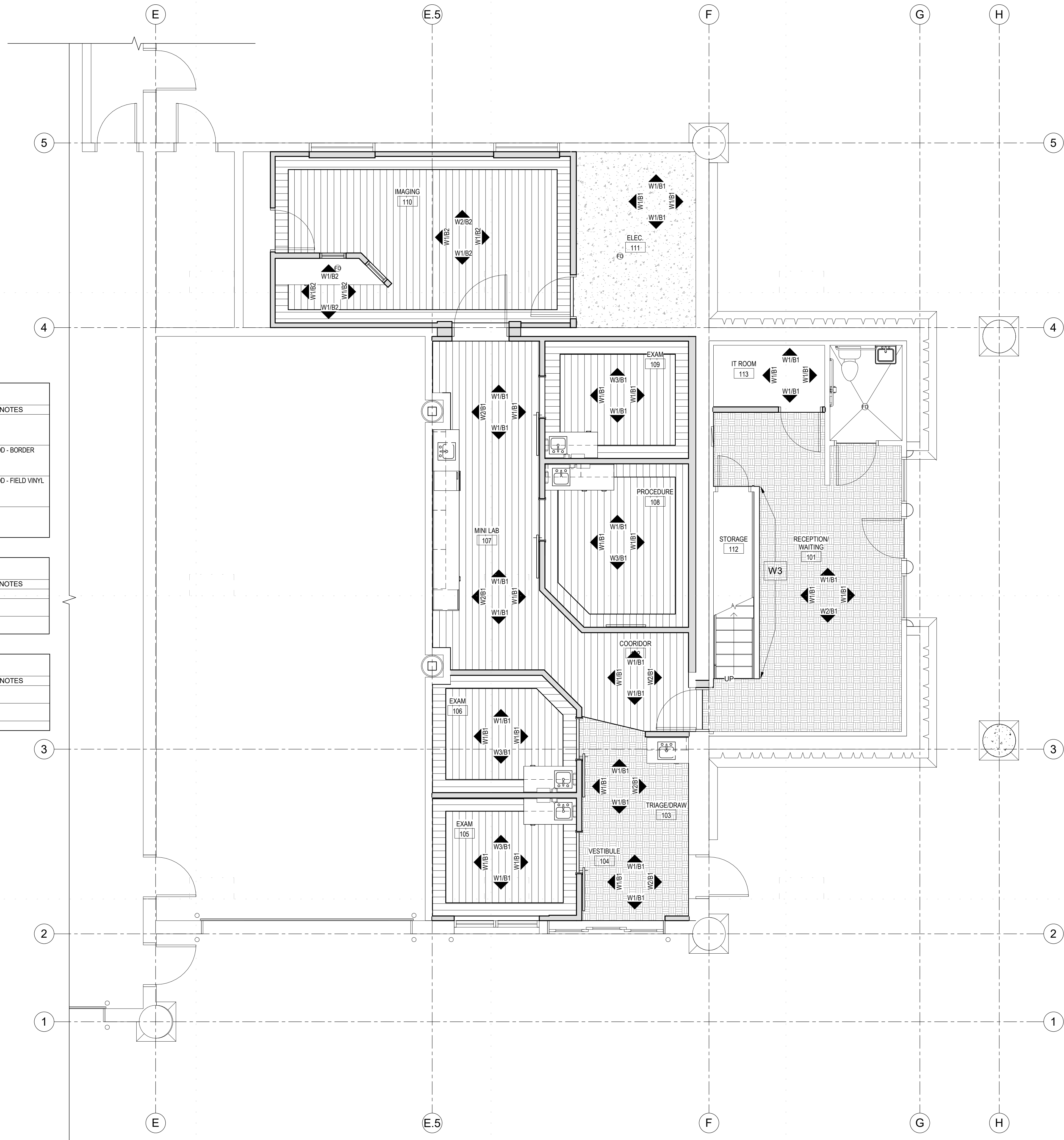
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**MAIN LEVEL FLOOR PLAN**

**AE101**

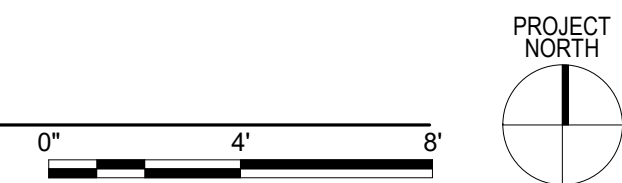


FLOOR FINISH LEGEND						
TYPE	FILL	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	NOTES
F1	[Pattern]	WALK OFF MAT	SHAW CONTRACT	WELCOME II TILE 5T031	CHARCOAL 31519	
F2	[Pattern]	VINYL	MANNINGTON COMMERCIAL	BIOSPEC	BEDROCK SR67369	WELD ROD - BORDER VINYL
F3	[Pattern]	VINYL	MANNINGTON COMMERCIAL	BIOSPEC	FLAX SR67361	WELD ROD - FIELD VINYL
F4	[Pattern]	SEALED CONCRETE	SEALED CONCRETE			

BASE FINISH LEGEND						
TYPE	FILL	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	NOTES
B1	[Pattern]	RUBBER BASE	JOHNSONITE	THERMOSET RUBBER BASE	MOON ROCK	
B2	[Pattern]	INTEGRAL COVED SHEET VINYL	MANNINGTON COMMERCIAL	BIOSPEC	BEDROCK	
B3	[Pattern]	INTEGRAL COVED SHEET VINYL	MANNINGTON COMMERCIAL	BIOSPEC	FLAX	

WALL FINISH LEGEND						
TYPE	FILL	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	NOTES
W1	[Pattern]	FIELD	SHERWIN WILLIAMS		PURE WHITE SW7005	
W2	[Pattern]	ACCENT	SHERWIN WILLIAMS		WORLDLY GRAY SW 7043	
W3	[Pattern]	ACCENT	SHERWIN WILLIAMS		DISTANCE SW 7082	

A4 MAIN FLOOR FINISH PLAN  
 AE121 SCALE 1/4" = 1'-0"



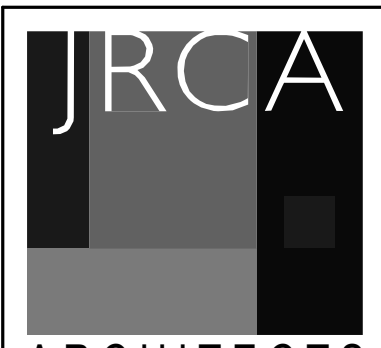
GENERAL NOTES:

- 

ROOM FINISH SCHEDULE NOTES:

- SEE DETAIL

KEY NOTES:



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INTERMOUNTAIN SNOWBASIN CLINIC  
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 HUNTSVILLE, UTAH 84317

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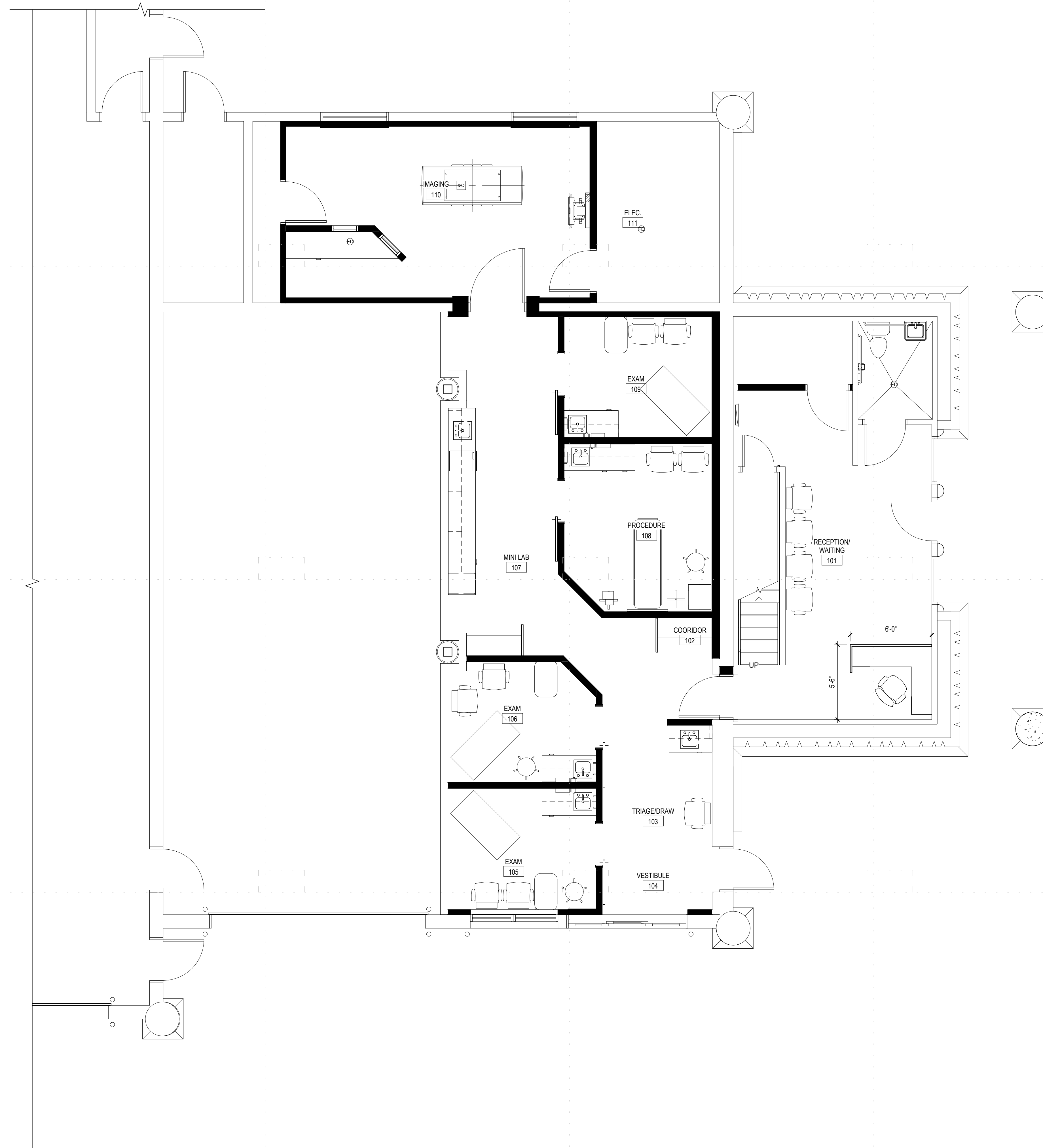
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FINISH PLAN

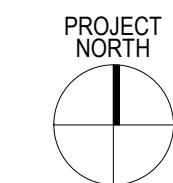
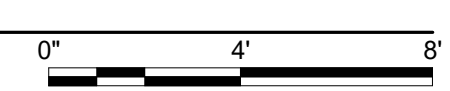
AE121





KEY NOTES:

A4 FURNISHINGS PLAN  
AE131 SCALE 1/4" = 1'-0"



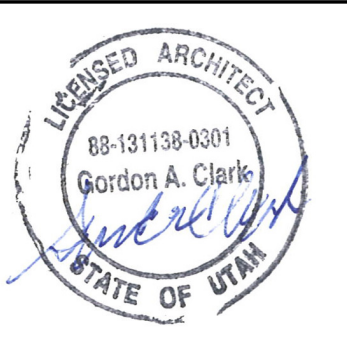
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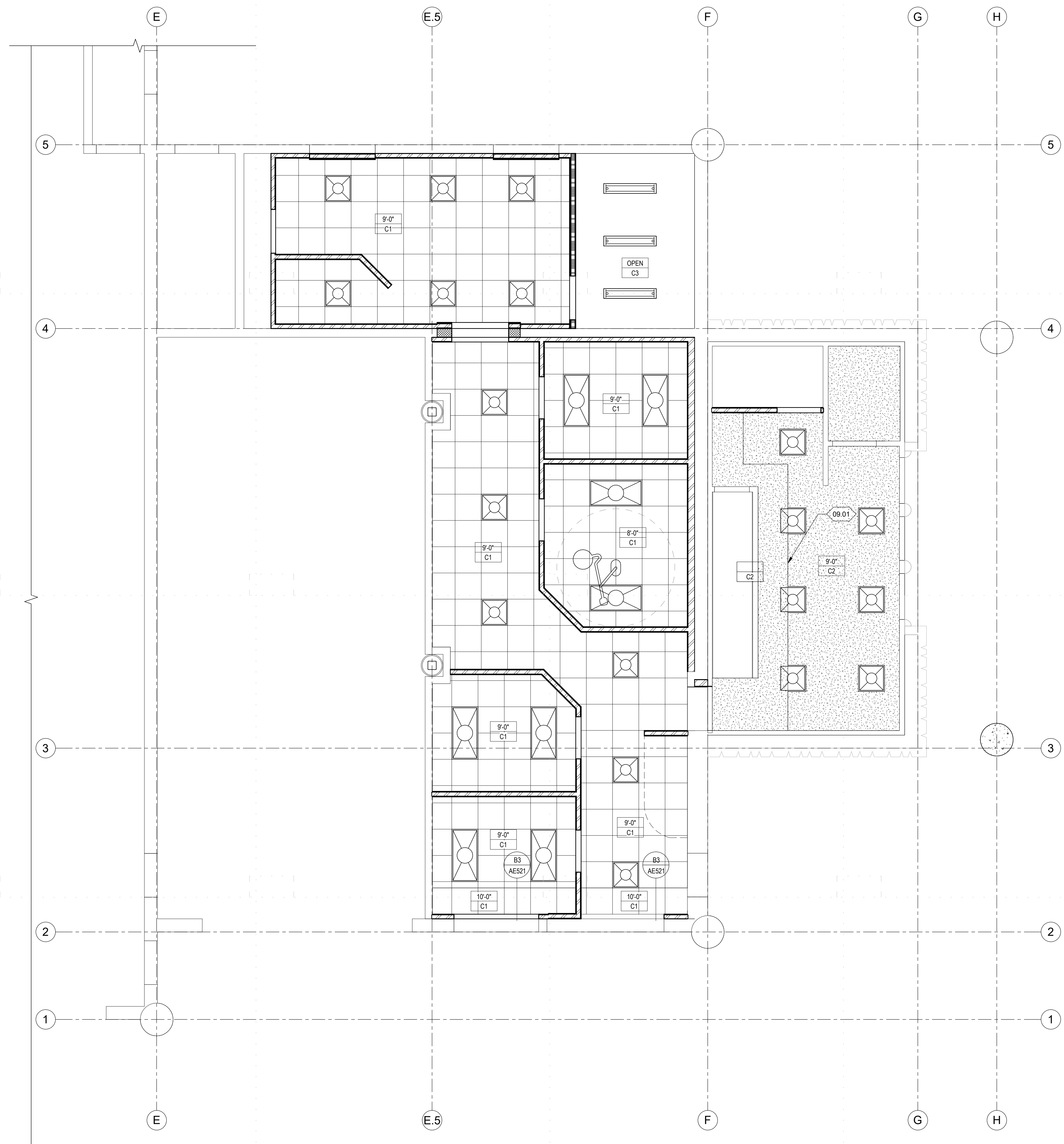
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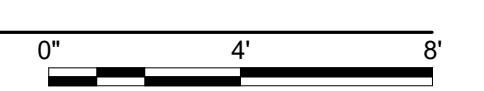


FURNISHINGS  
 PLAN

AE131



**A4** MAIN LEVEL REFLECTED CEILING PLAN  
**AE161** SCALE 1/4" = 1'-0"



**KEY NOTES:**  
 09.01 MAXIMIZE CEILING HEIGHT TO THE HEIGHT OF THE BOTTOM OF THE FLOOR JOISTS ABOVE.

**CEILING TYPES SCHEDULE**

--	--

**CEILING TYPES LEGEND:**

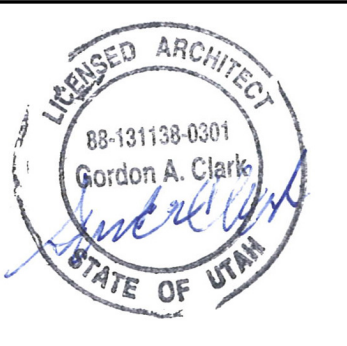
	GYP. BD.
	24" X 24" SUSPENDED ACOUSTICAL CEILING TILE
	24" X 48" SUSPENDED ACOUSTICAL CEILING TILE

**REFLECTED CEILING PLAN LEGEND:**

<b>RM</b> VARIES A	ROOM NUMBER CEILING HEIGHT CEILING TYPE
	2x2 LIGHT FIXTURE - SEE ELEC.
	2x4 LIGHT FIXTURE - SEE ELEC.
	RETURN AIR GRILL - SEE MECH.
	SUPPLY AIR GRILL - SEE MECH.
	EXHAUST FAN - SEE MECH.

PERMIT/BID DOCUMENTS  
 07/31/2019

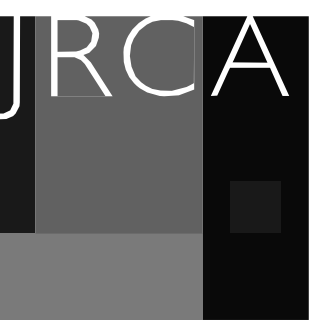
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GENERAL NOTES:

1 -

KEY NOTES:



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jrcadesign.com

INTERMOUNTAIN SNOWBASIN CLINIC

3925 SNOW BASIN RD  
HUNTSVILLE, UTAH 84317

PROJECT #: 19028

PERMIT/BID DOCUMENTS  
07/31/2019

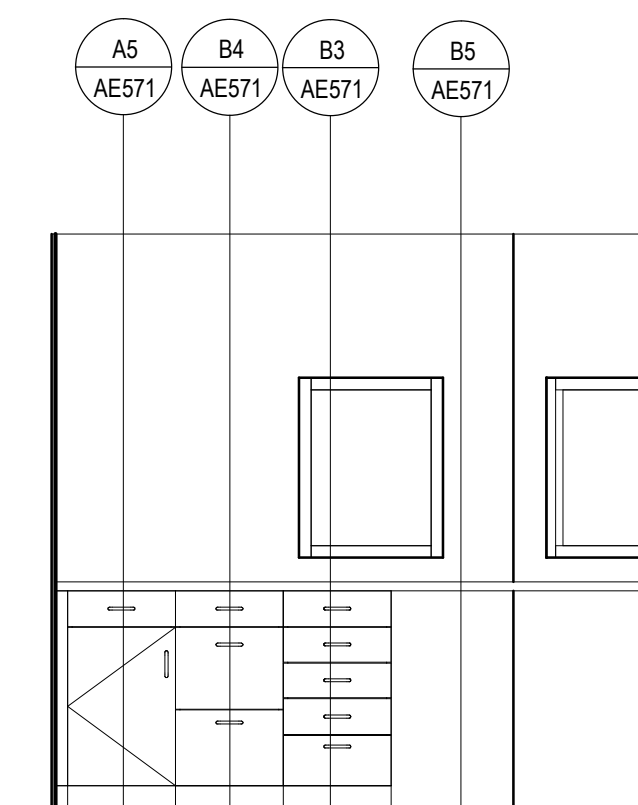
DATE	REVISION

DATE	REVISION

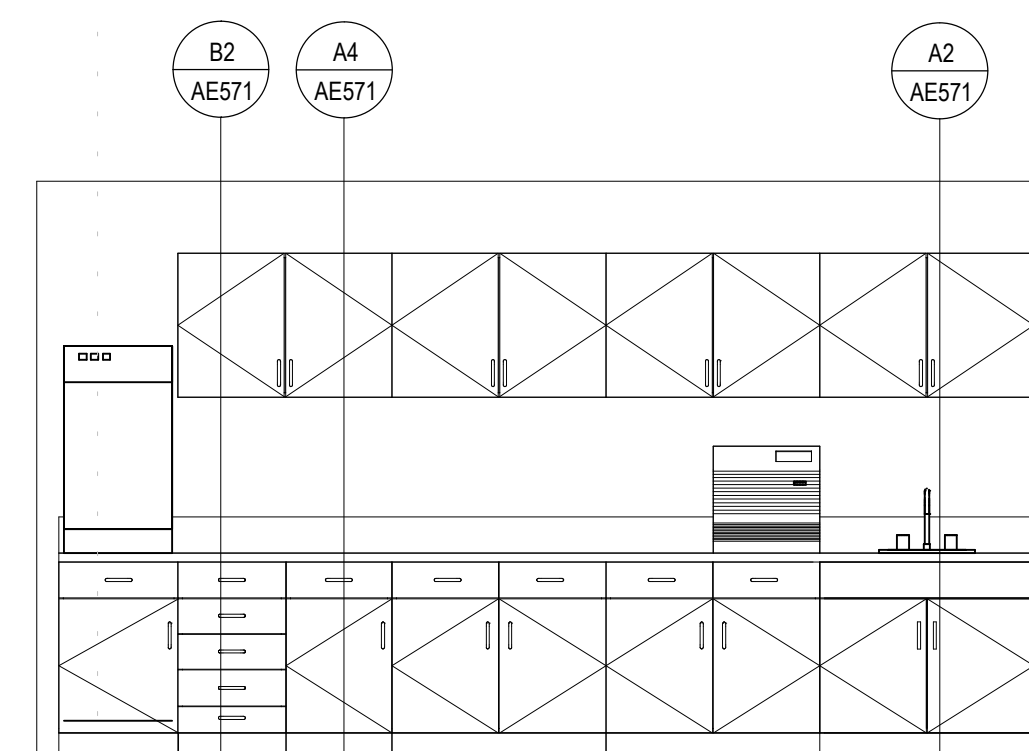


INTERIOR ELEVATIONS

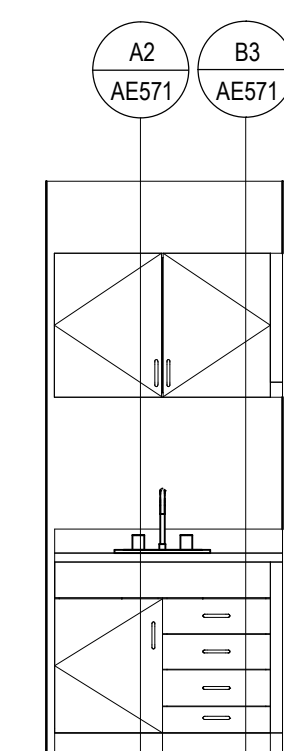
AE411



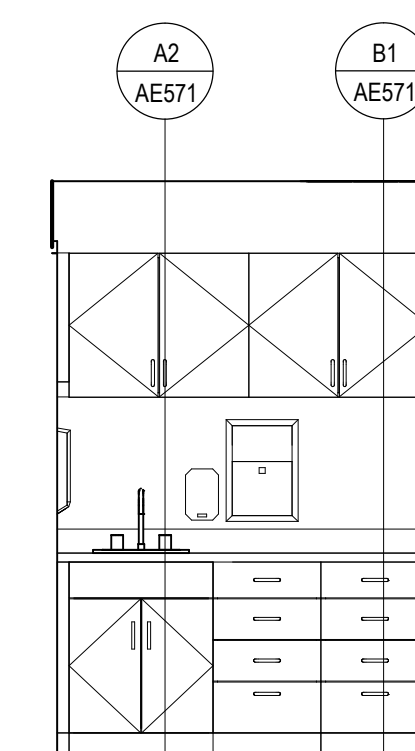
B1  
AE411  
INTERIOR ELEVATION  
SCALE 3/8" = 1'-0"



A3  
AE411  
Elevation 7 - a  
SCALE 3/8" = 1'-0"

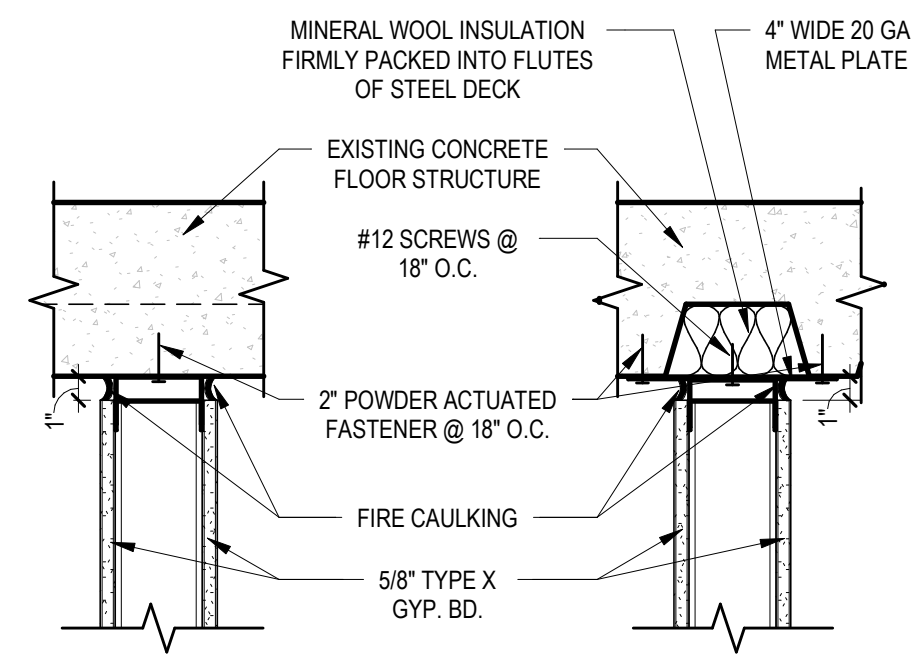


A2  
AE411  
INTERIOR ELEVATION  
SCALE 3/8" = 1'-0"

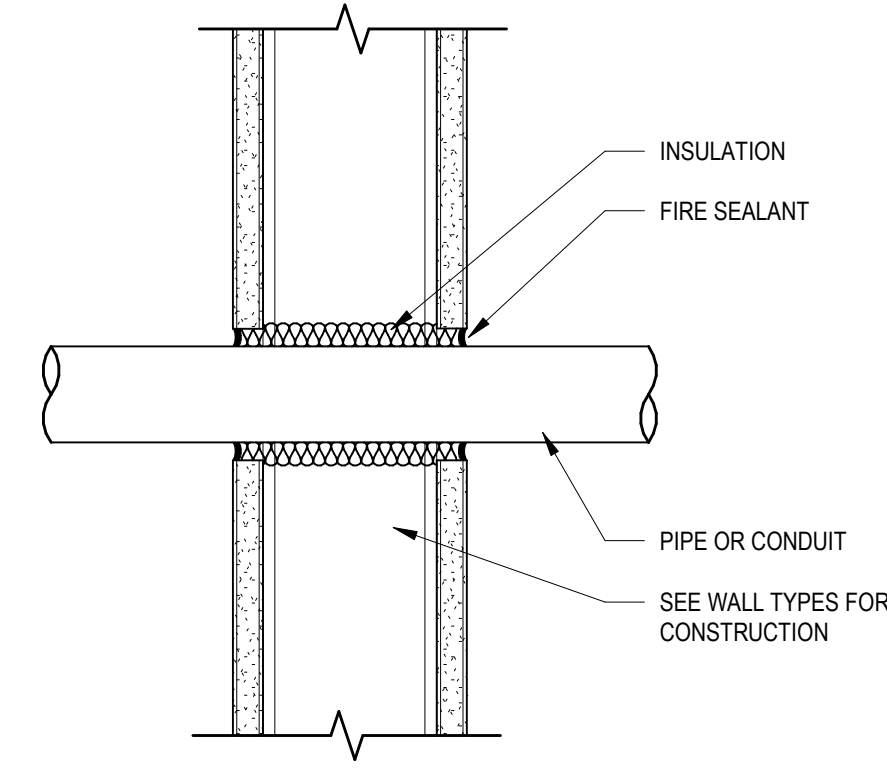


A1  
AE411  
INTERIOR ELEVATION  
SCALE 3/8" = 1'-0"

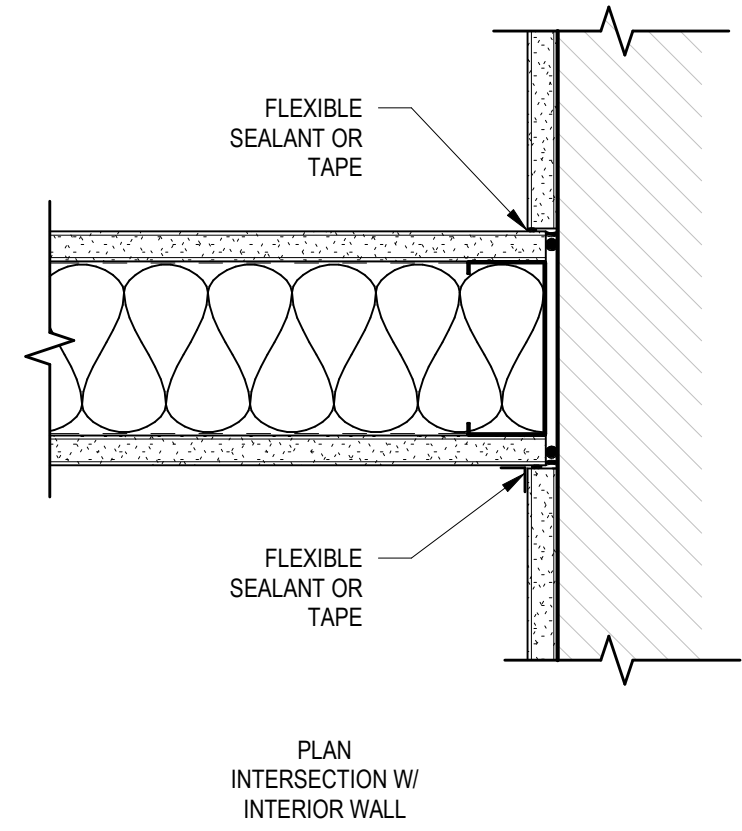




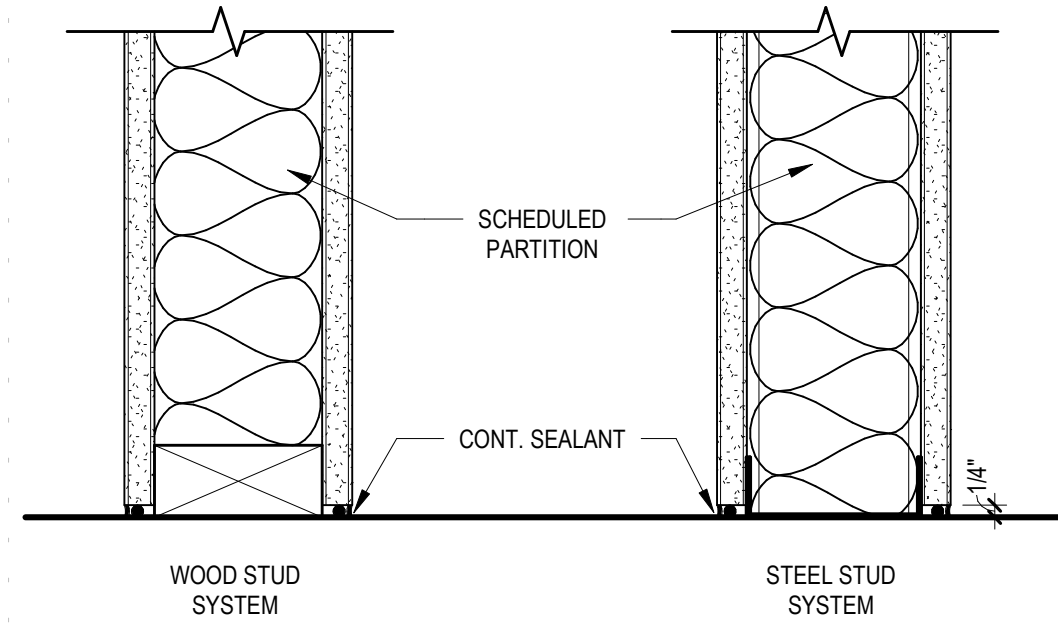
19 1-20 T.O. FIRE RATED WALL  
AE511 SCALE 1 1/2" = 1'-0"



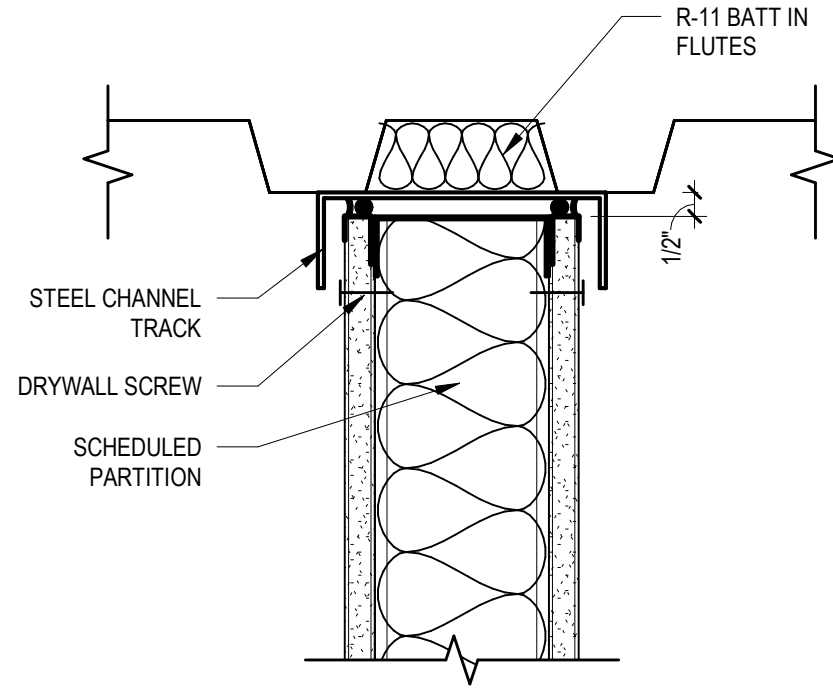
17 1-17 PIPE-CONDUIT THRU WALL UL-WL1029  
AE511 SCALE 3" = 1'-0"



14 1-14 SOUND WALL DETAIL - TO EXISTING  
AE511 SCALE 3" = 1'-0"



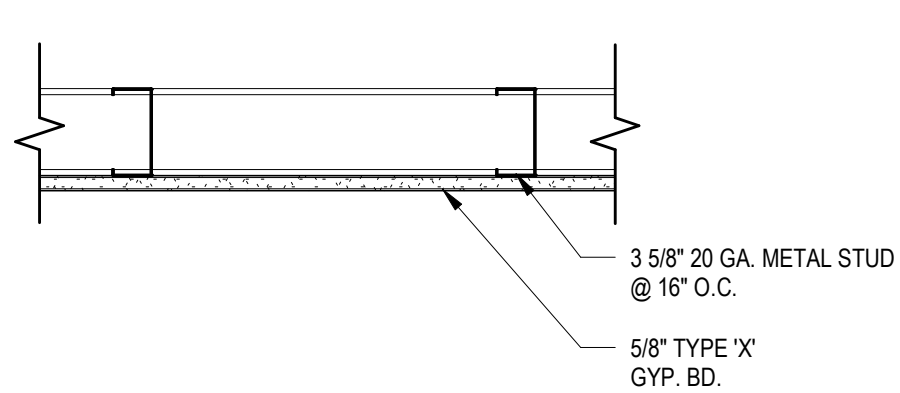
13 1-13 SOUND WALL DETAIL - FLOOR  
AE511 SCALE 3" = 1'-0"



9 1-09 SOUND WALL HEAD DETAIL  
AE511 SCALE 3" = 1'-0"

ONE LAYER 5/8" TYPE 'X' GYPSUM BOARD APPLIED PARALLEL WITH EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 2" DRYWALL SCREWS @ 7" O.C. WALLBOARD SCREWED TO TOP & BOTTOM PLATES @ 7" O.C. STAGGER JOINTS @ 24" O.C. EACH SIDE

LOAD BEARING AND NON-LOAD BEARING

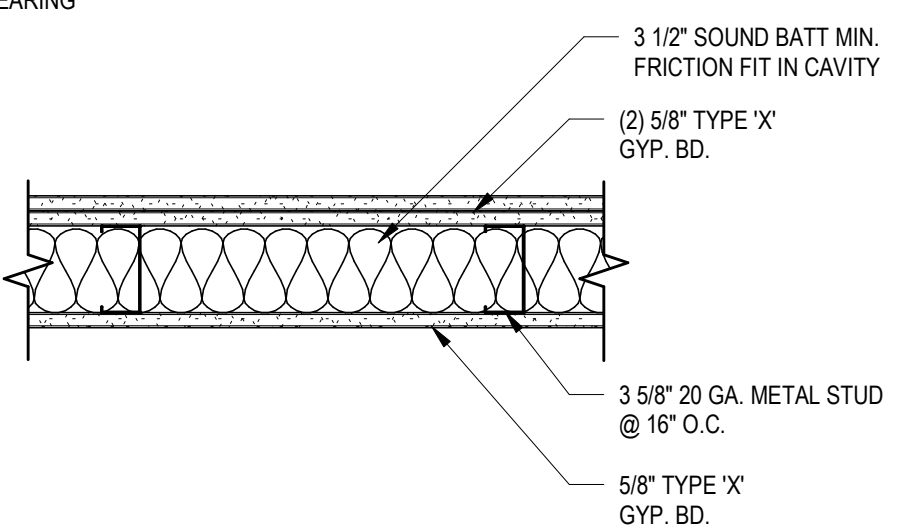


SOUND WALL WHERE OCCURS (SEE FLOOR PLAN); STC 35 MIN.  
FIRE WALL WHERE OCCURS (SEE FLOOR PLAN); 1 HR RATING;  
COMPLY W/ GA FILE #WP3510

4 WALL TYPE 'D'  
AE511 SCALE 1 1/2" = 1'-0"

ONE LAYER 5/8" TYPE 'X' GYPSUM BOARD APPLIED PARALLEL TO EACH SIDE OF METAL STUDS @ 16" O.C. WITH 1" TYPE 'S' DRYWALL SCREWS @ 8" O.C. TO VERTICAL EDGES AND 12" O.C. ON TOP & BOTTOM RUNNERS AND INTERMEDIATE STUDS. FACE LAYER OF TYPE 'X' GYPSUM BOARD APPLIED PARALLEL TO ONE SIDE WITH 1 5/8" TYPE 'S' DRYWALL SCREWS @ 12" O.C. STAGGER ALL VERTICAL AND HORIZONTAL JOINTS @ 24" O.C. EACH SIDE AND OPPOSITE SIDES

NON-LOAD BEARING

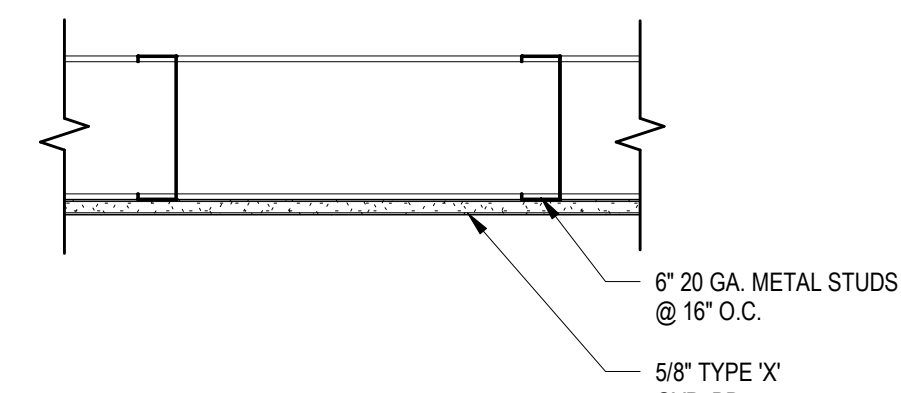


SOUND WALL WHERE OCCURS (SEE FLOOR PLAN); STC 50 MIN.  
INCLUDE 3 1/2" SOUND BATT  
FIRE WALL WHERE OCCURS (SEE FLOOR PLAN); 1 HR RATING;  
COMPLY W/ GA FILE #WP5015

3 WALL TYPE 'C'  
AE511 SCALE 1 1/2" = 1'-0"

ONE LAYER 5/8" TYPE 'X' GYPSUM BOARD APPLIED PARALLEL WITH EACH SIDE OF 6" METAL STUDS @ 16" O.C. WITH 2" DRYWALL SCREWS @ 7" O.C. WALLBOARD SCREWED TO TOP & BOTTOM PLATES @ 7" O.C. STAGGER JOINTS @ 24" O.C. EACH SIDE

LOAD BEARING AND NON-LOAD BEARING

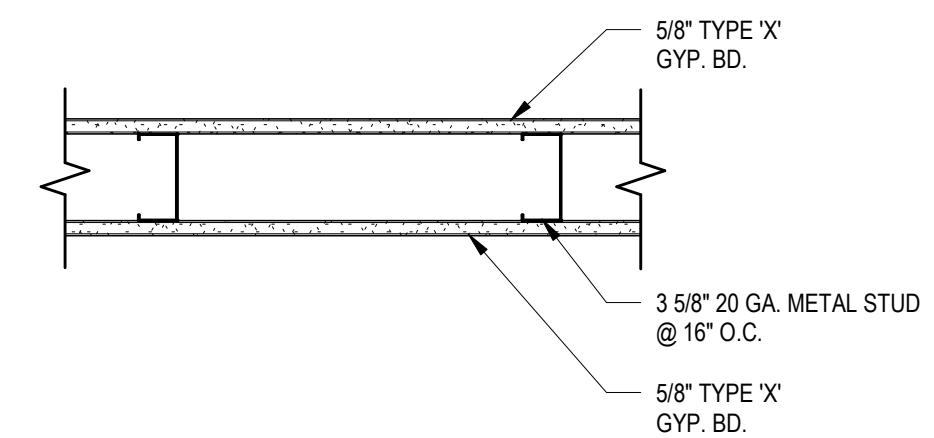


SOUND WALL WHERE OCCURS (SEE FLOOR PLAN); STC 35 MIN.  
FIRE WALL WHERE OCCURS (SEE FLOOR PLAN); 1 HR RATING;  
COMPLY W/ GA FILE #WP3510

2 WALL TYPE 'B'  
AE511 SCALE 1 1/2" = 1'-0"

ONE LAYER 5/8" TYPE 'X' GYPSUM BOARD APPLIED PARALLEL WITH EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 2" DRYWALL SCREWS @ 7" O.C. WALLBOARD SCREWED TO TOP & BOTTOM PLATES @ 7" O.C. STAGGER JOINTS @ 24" O.C. EACH SIDE

LOAD BEARING AND NON-LOAD BEARING



SOUND WALL WHERE OCCURS (SEE FLOOR PLAN); STC 35 MIN.  
FIRE WALL WHERE OCCURS (SEE FLOOR PLAN); 1 HR RATING;  
COMPLY W/ GA FILE #WP3510

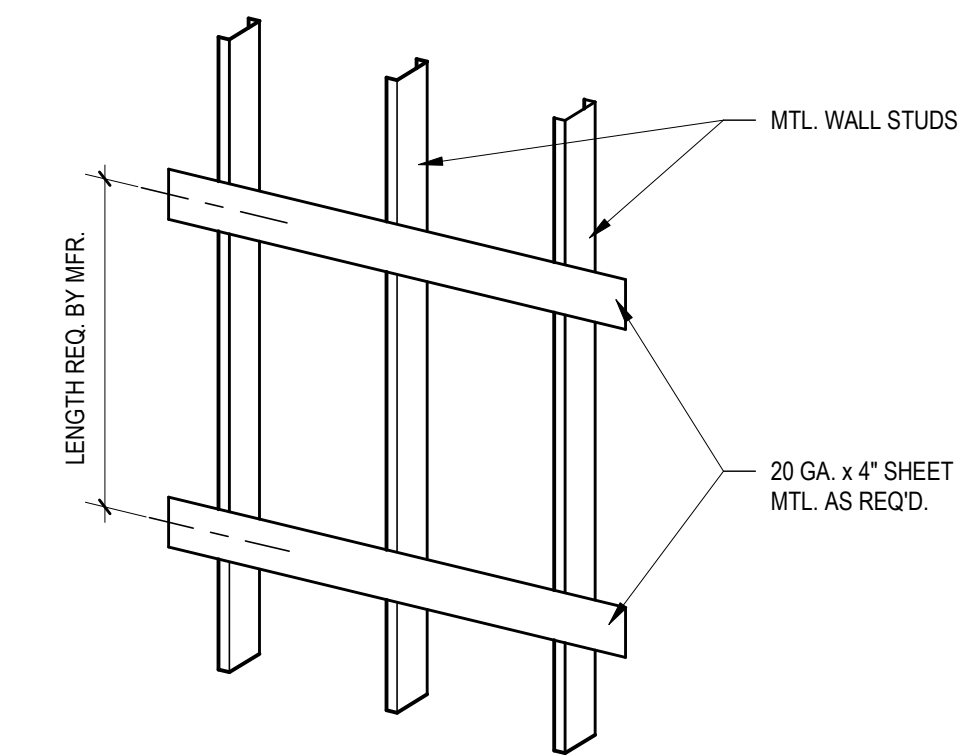
1 WALL TYPE 'A'  
AE511 SCALE 1 1/2" = 1'-0"

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07/31/2019	
DATE	REVISION



WALL TYPES

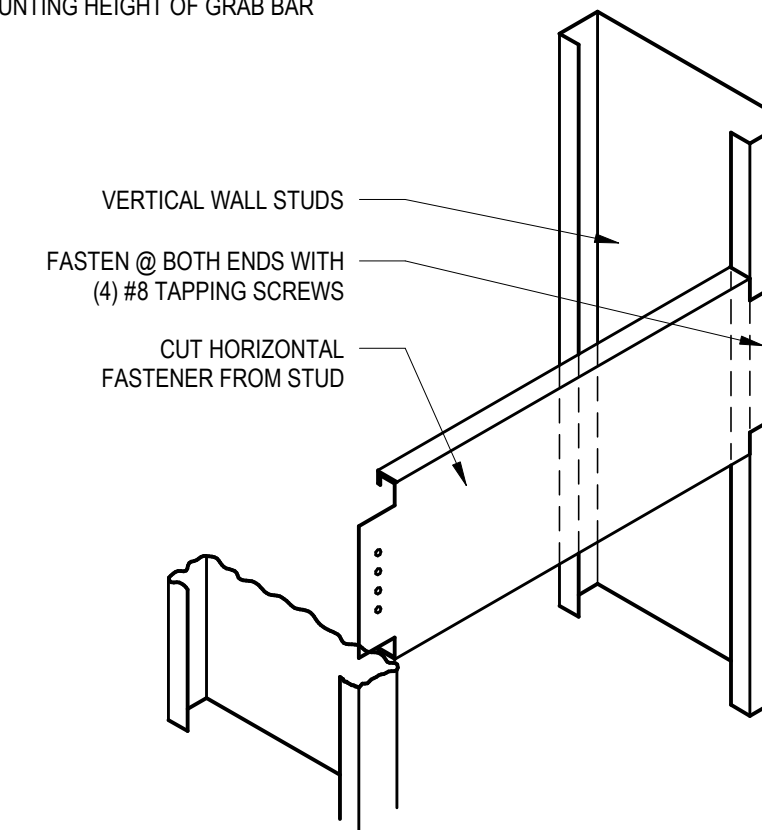
AE511



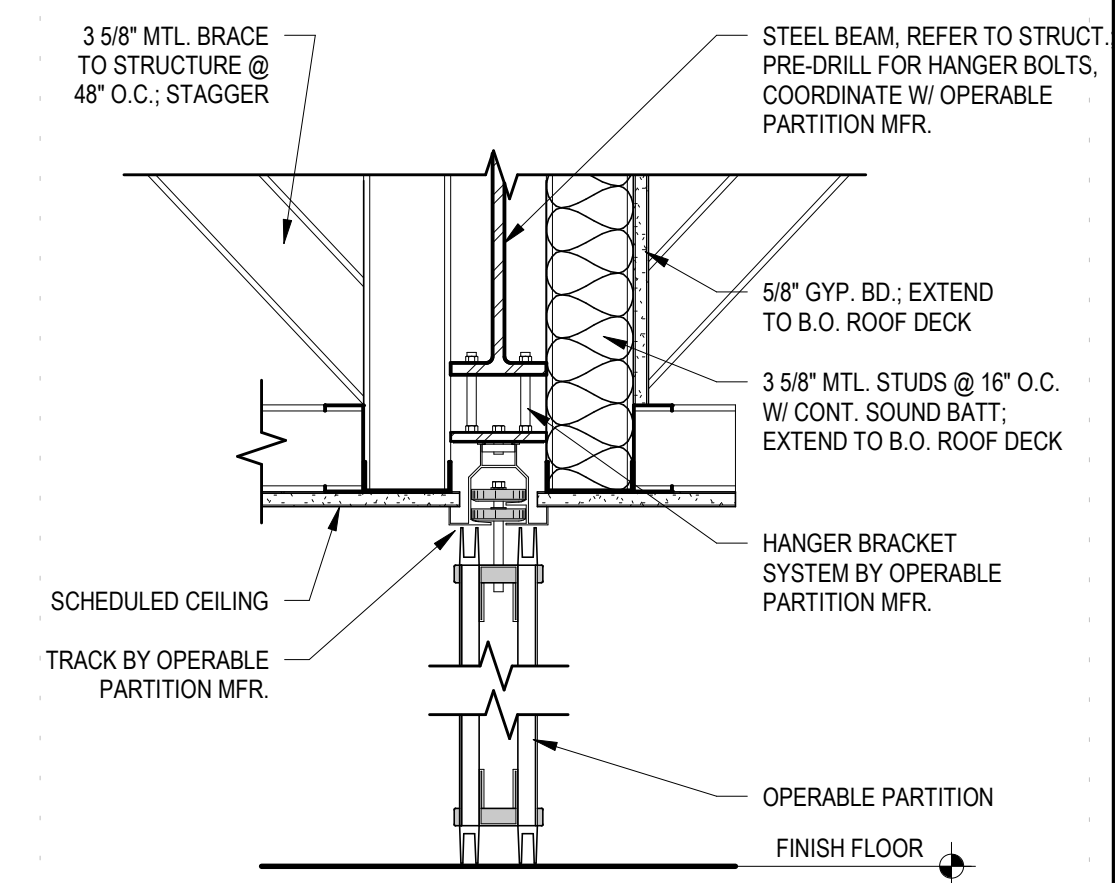
TYPICAL FOR EQUIPMENT  
REQUIRING BLOCKING U.N.O.

**D1** 2-14 BLOCKING DETAIL  
AE521 SCALE 1 1/2" = 1'-0"

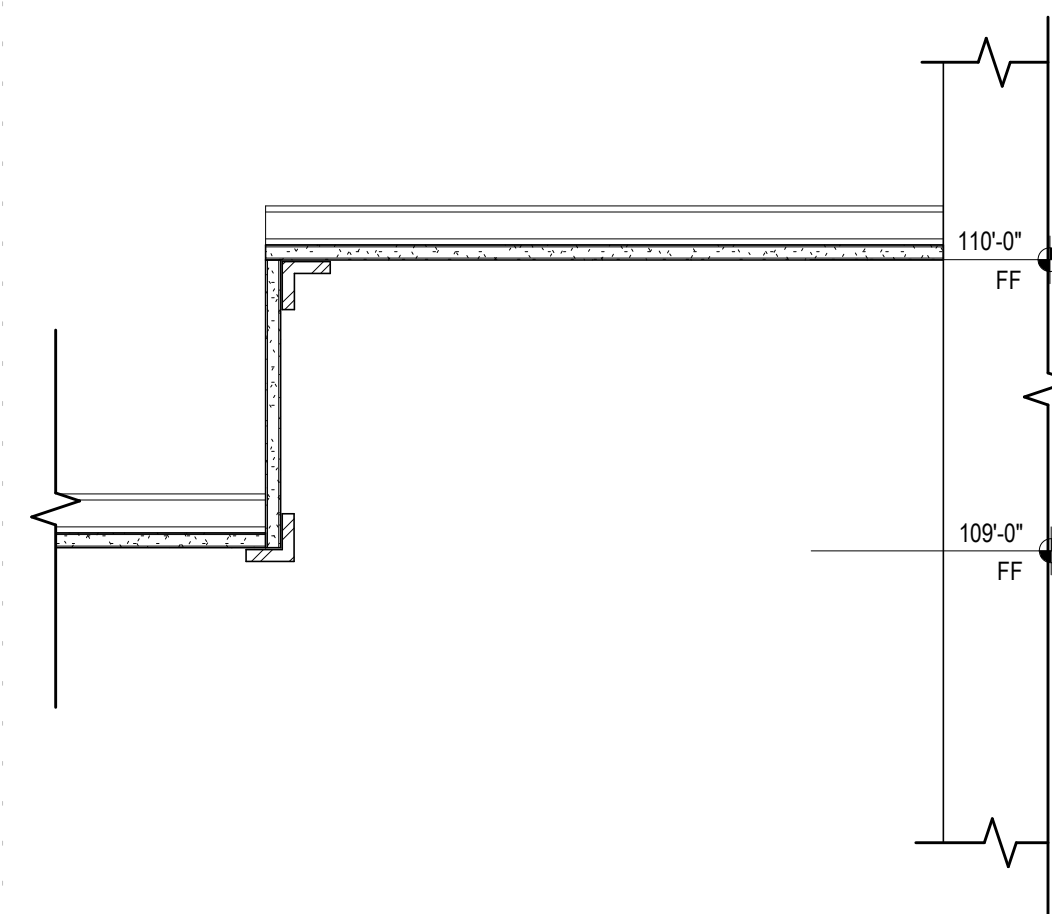
NOTE:  
COORDINATE LOCATION OF HORIZONTAL FASTENER  
WITH MOUNTING HEIGHT OF GRAB BAR



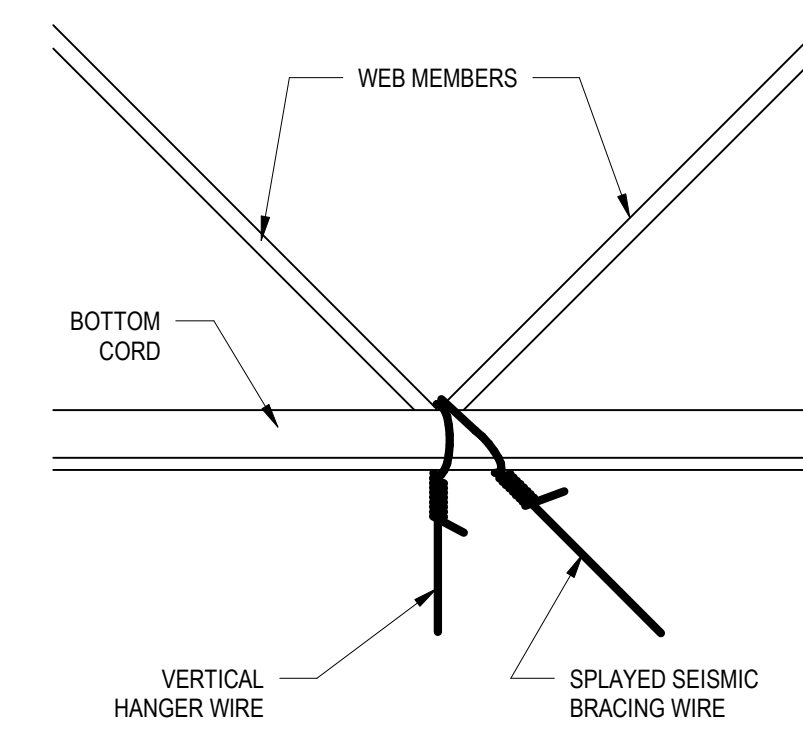
**C2** 2-12 GRAB BAR BLOCKING DETAIL  
AE521 SCALE 1 1/2" = 1'-0"



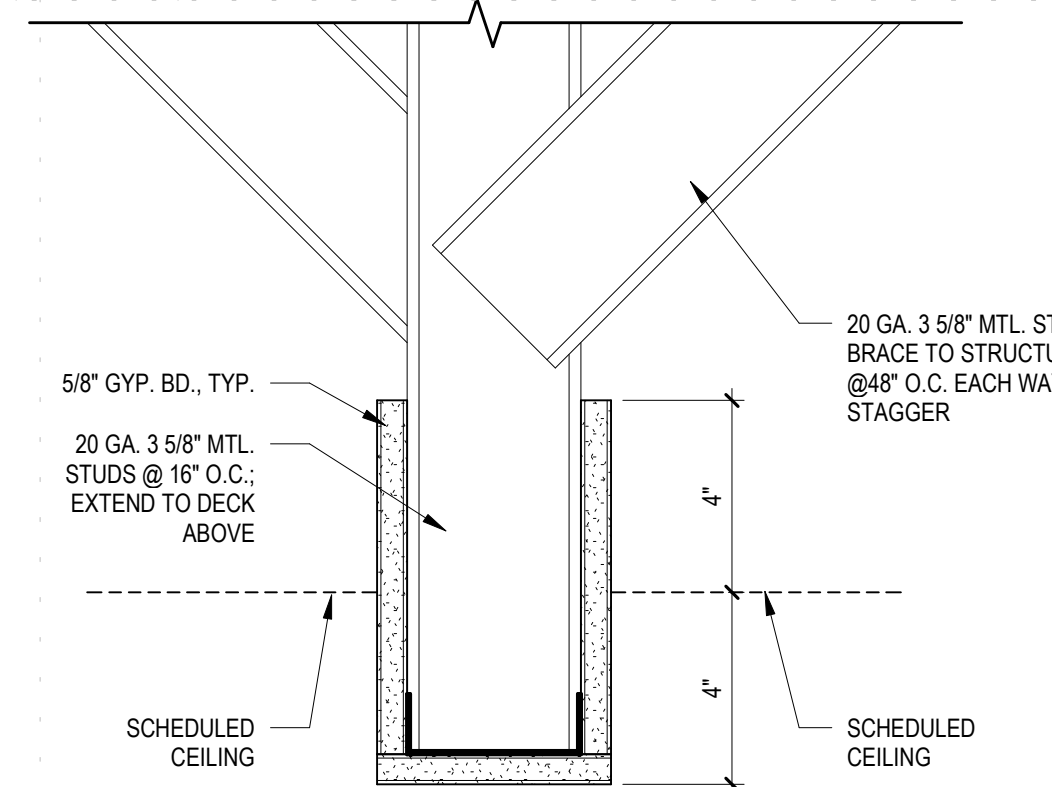
**C1** 2-09 OPERABLE PARTITION HEAD DETAIL  
AE521 SCALE 1 1/2" = 1'-0"



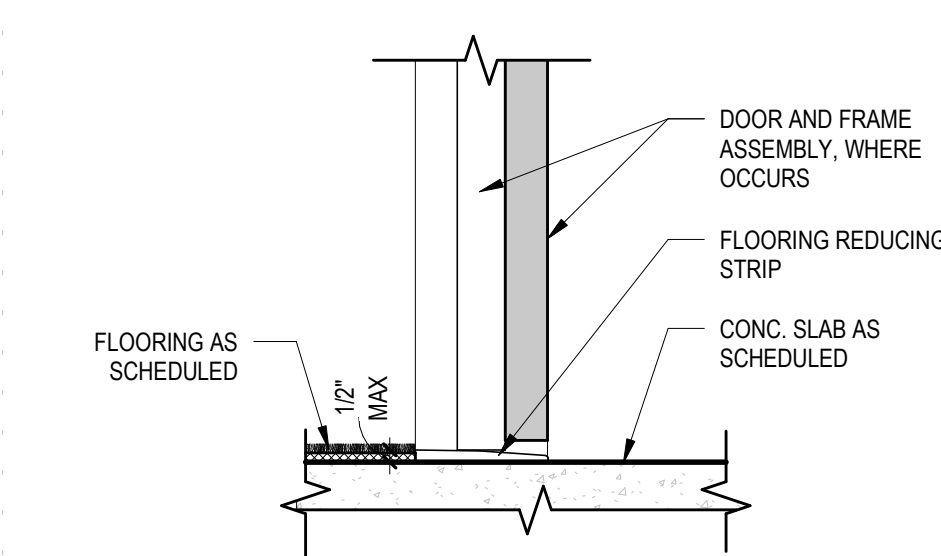
**B3** 14-00 CEILING TRANSITION DETAIL  
AE521 SCALE 1 1/2" = 1'-0"



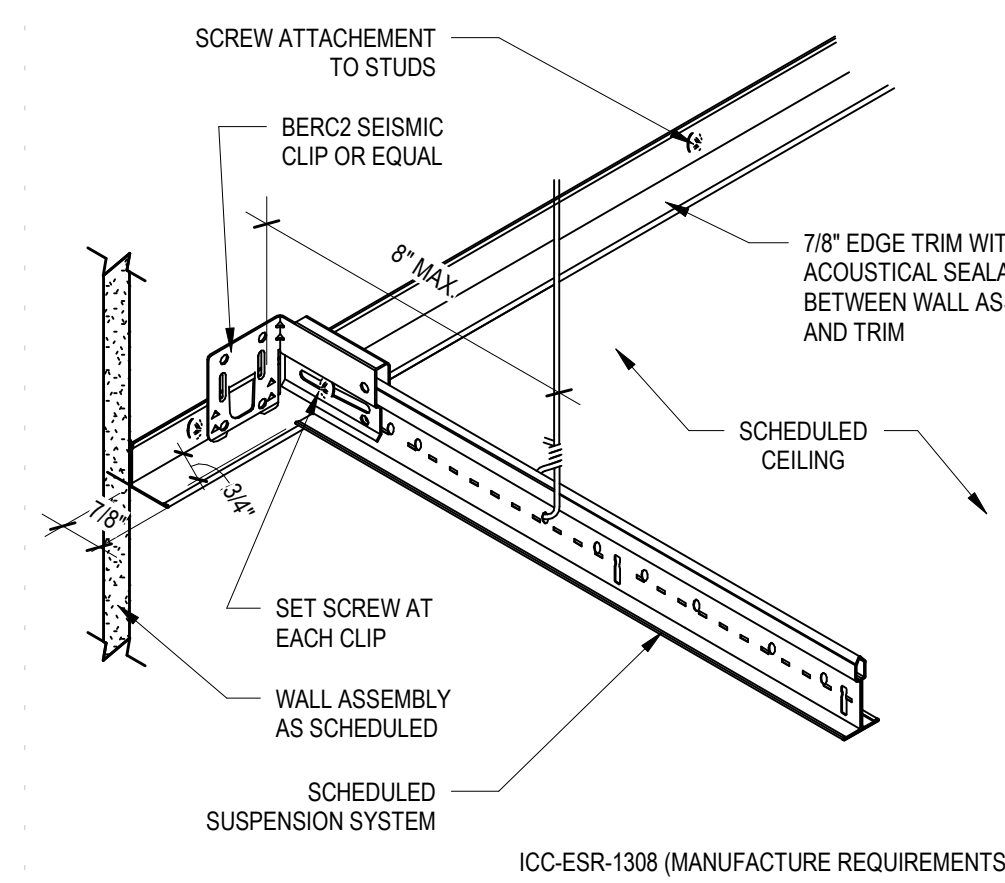
**B2** 2-07 SUSPENDED CEILING DETAIL  
AE521 SCALE 3" = 1'-0"



**B1** 2-05 CEILING TRANSITION DETAIL  
AE521 SCALE 3" = 1'-0"

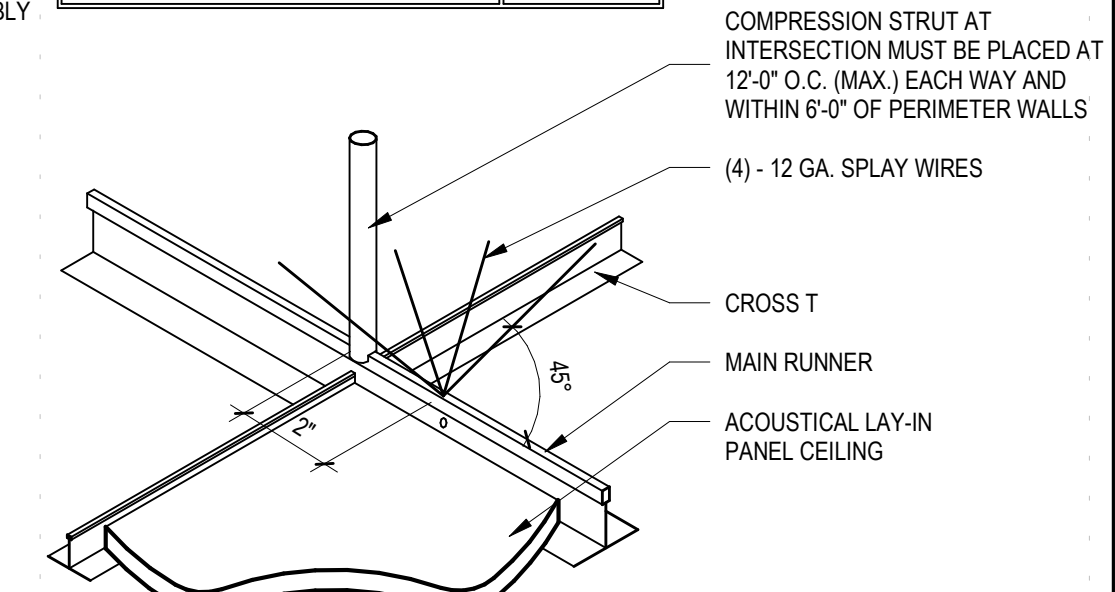


**A3** 2-18 TRANSITION DETAIL  
AE521 SCALE 1 1/2" = 1'-0"



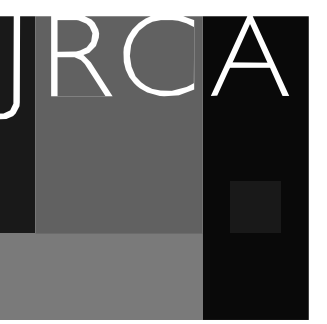
**A2** 2-01 TYPICAL COMPRESSION STRUT  
AE521 SCALE 3" = 1'-0"

STRUT SIZE	MAX. LENGTH
3/4" DIAMETER CONDUIT (EMT)	8'-6"
1" DIAMETER CONDUIT (EMT)	10'-0"
SINGLE 2 1/2" X 20 GA. METAL STUD (lmin = 0.18 in)	11'-6"
BACK TO BACK 2 1/2" X 20 GA. METAL STUDS SCREWED TOGETHER @ 24" O.C.	15'-0"



**A1** 2-01 TYPICAL COMPRESSION STRUT  
AE521 SCALE 3" = 1'-0"





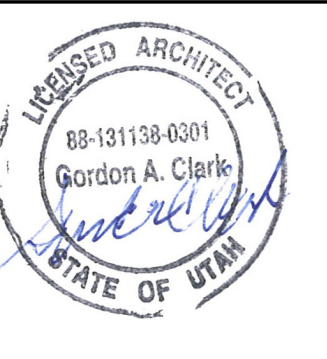
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INTERMOUNTAIN SNOWBASIN CLINIC

3925 SNOW BASIN RD  
HUNTSVILLE, UTAH 84317

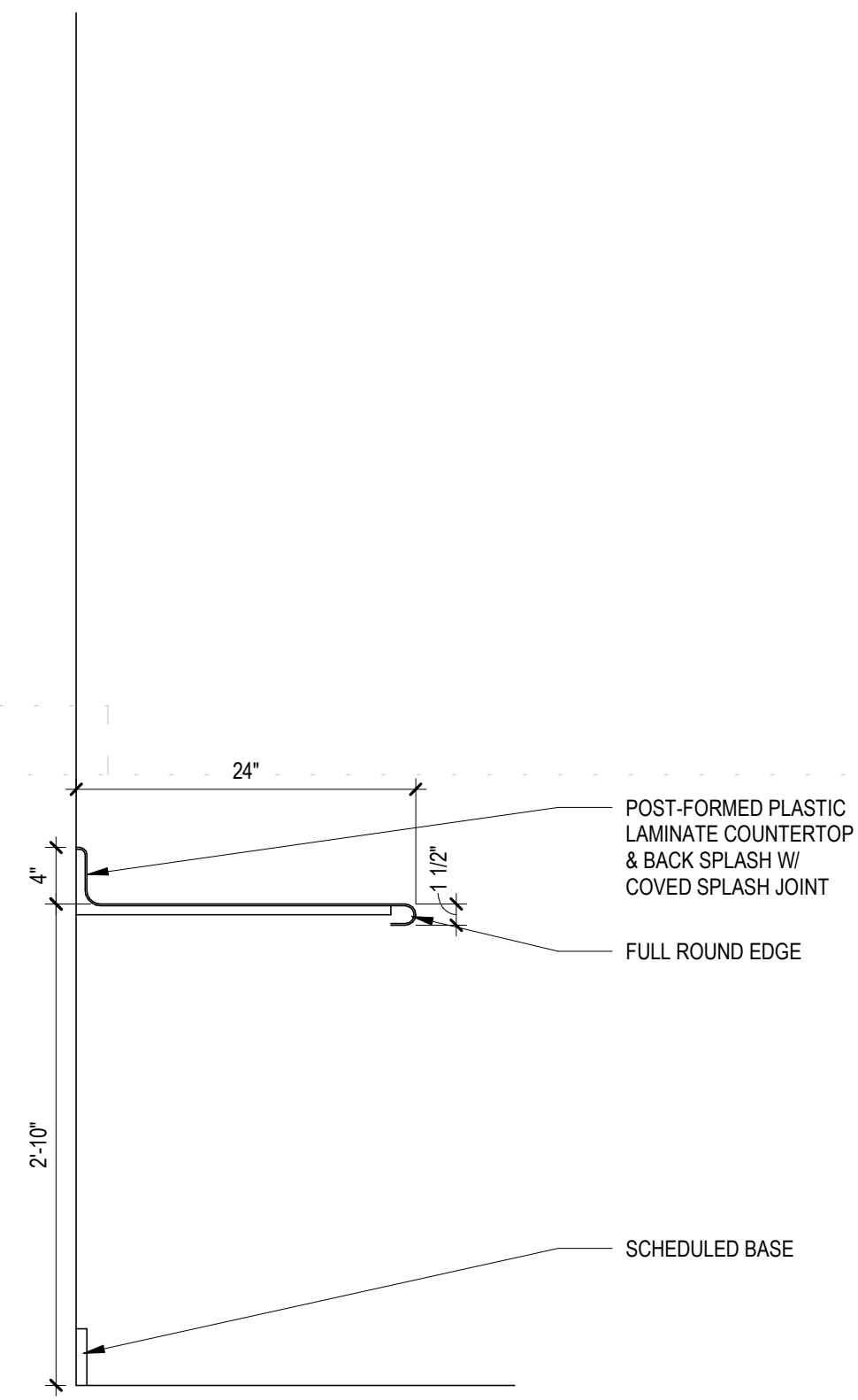
PROJECT #: 19028

PERMIT/BD DOCUMENTS	
07/31/2019	
DATE	REVISION

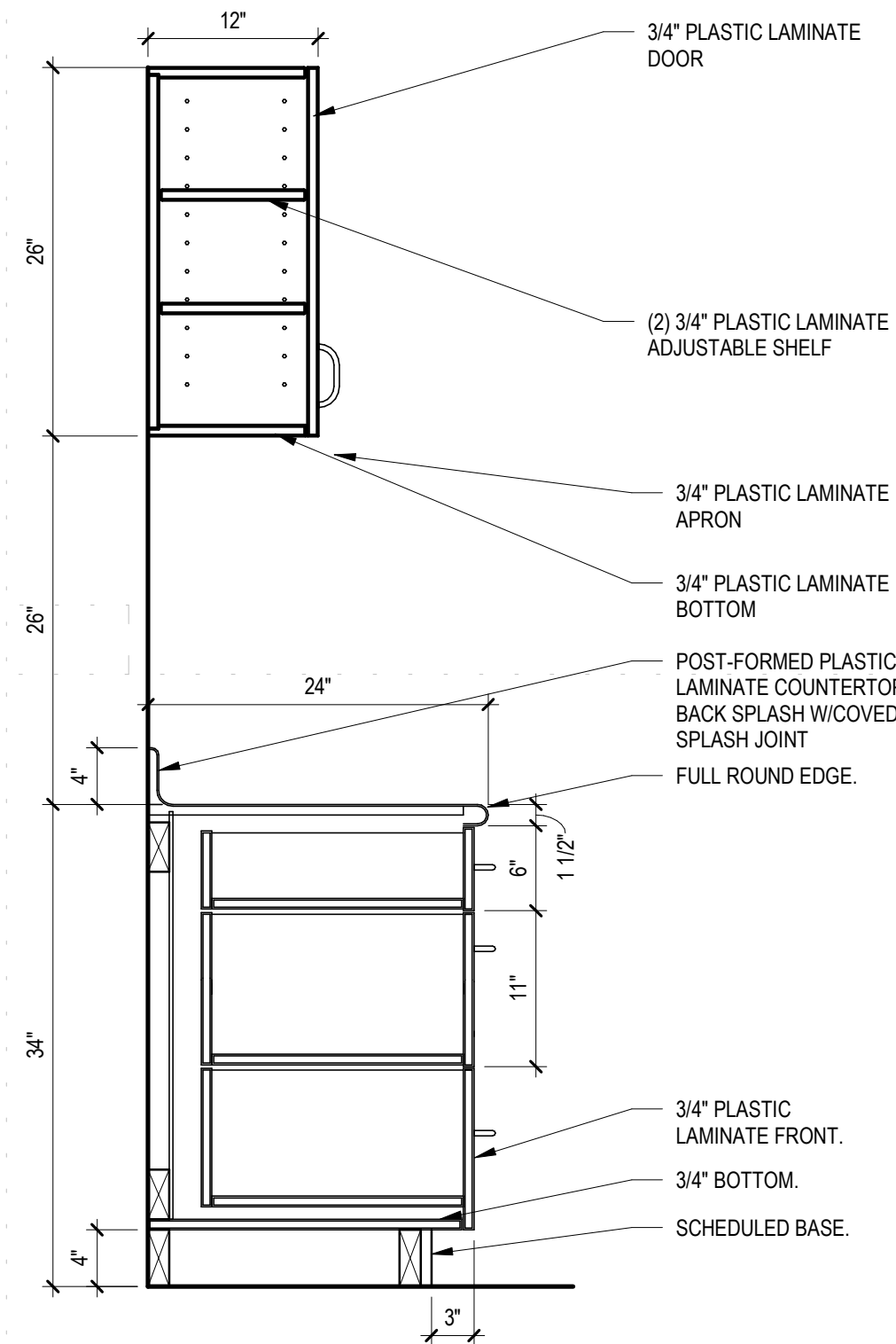


CASEWORK  
SECTION  
DETAILS

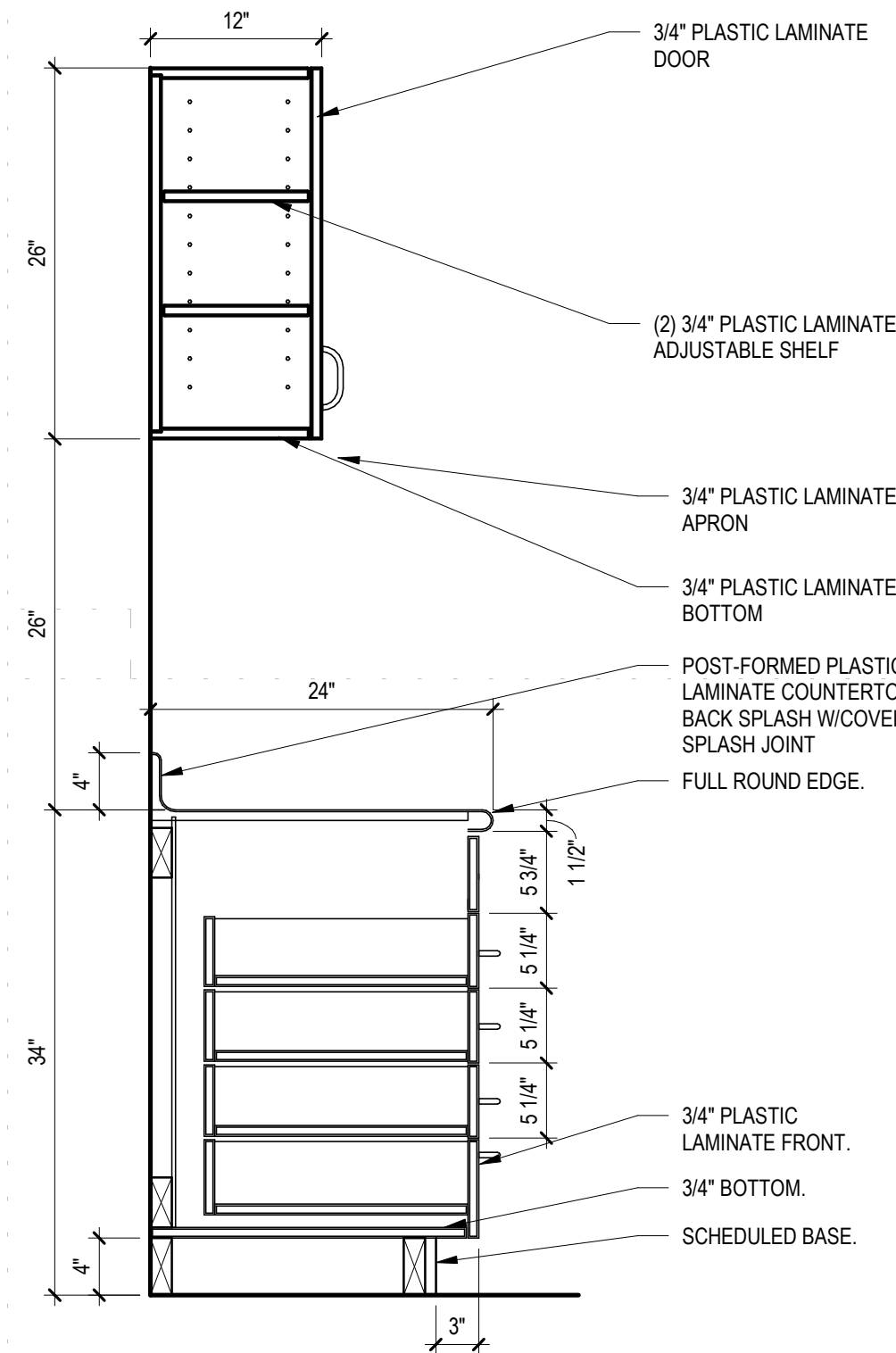
AE571



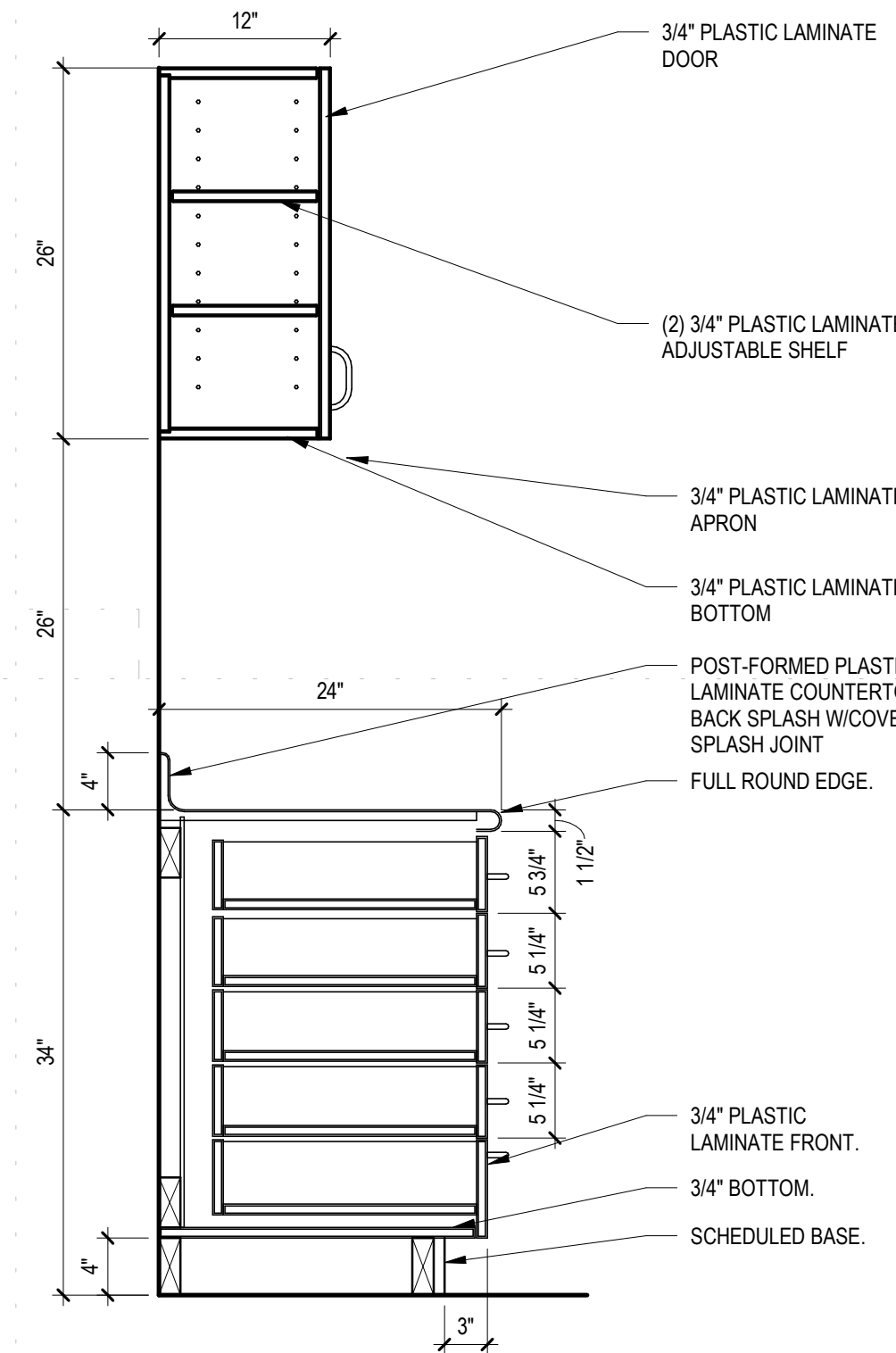
B5 17-00 CABINET SECTION - NO BASE  
AE571 SCALE 1" = 1'-0"



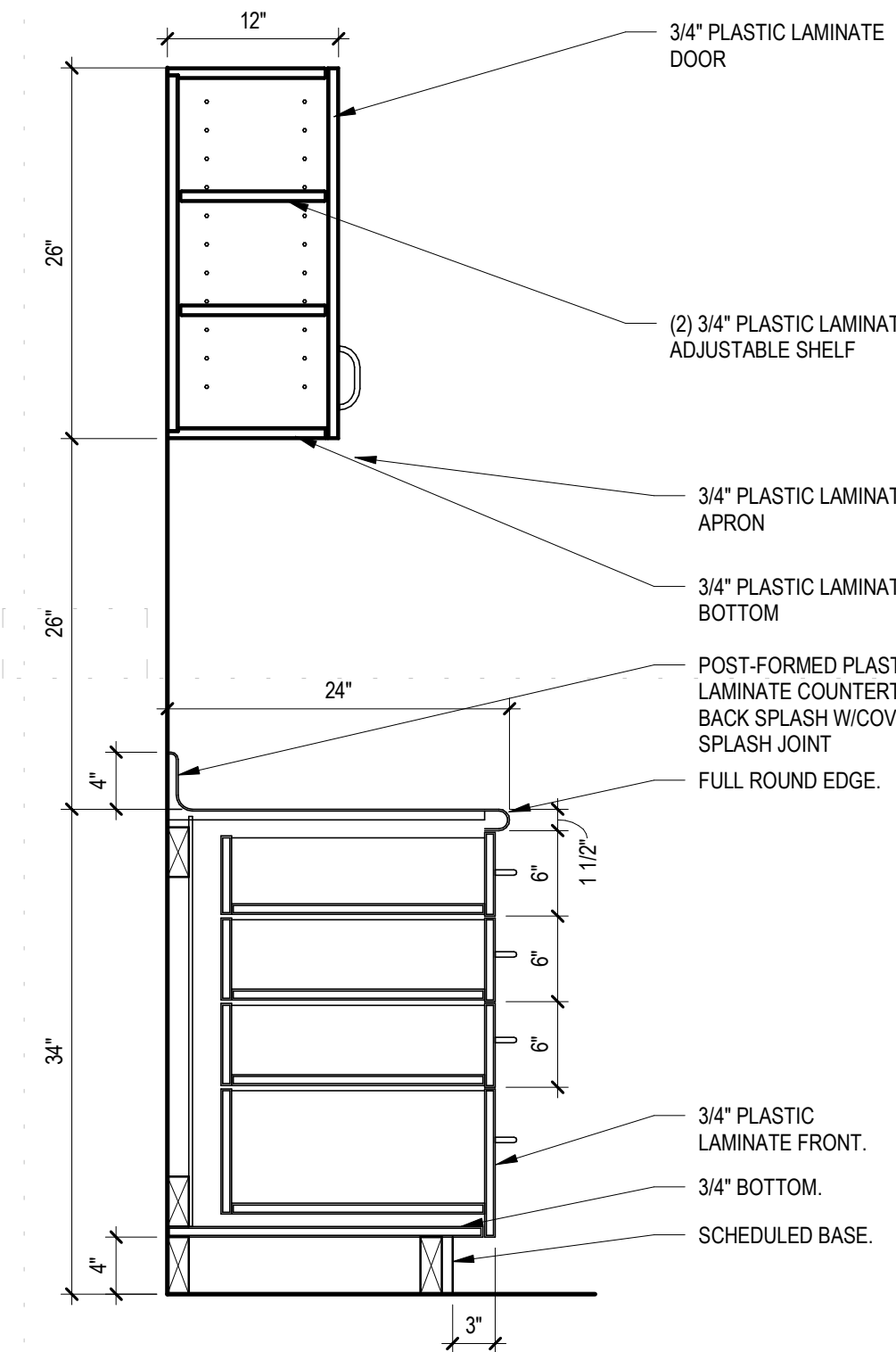
B4 17-00 CABINET SECTION - 3 DRAWER  
AE571 SCALE 1" = 1'-0"



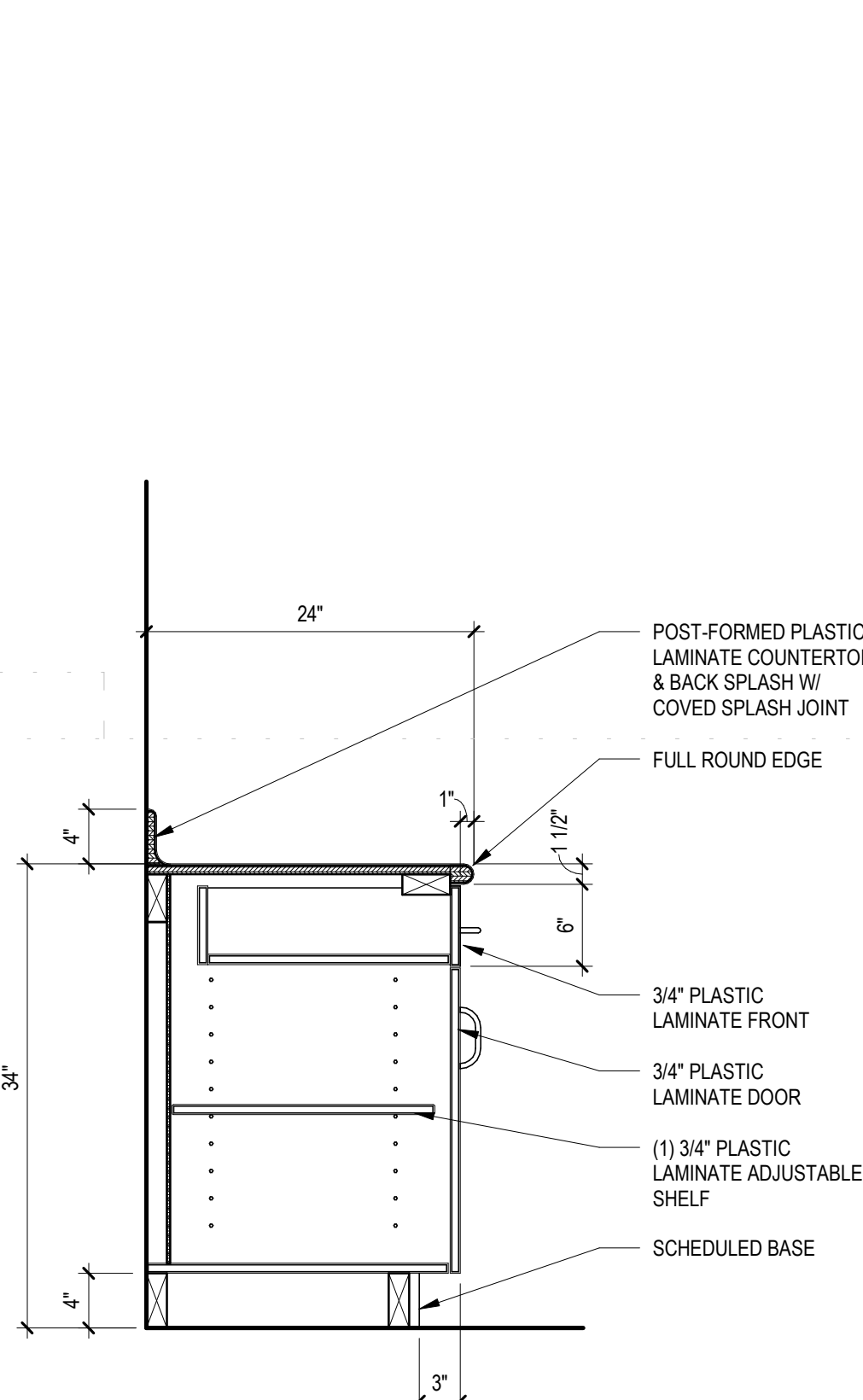
B3 17-00 CABINET SECTION - 4 DRAWER 1 PANEL  
AE571 SCALE 1" = 1'-0"



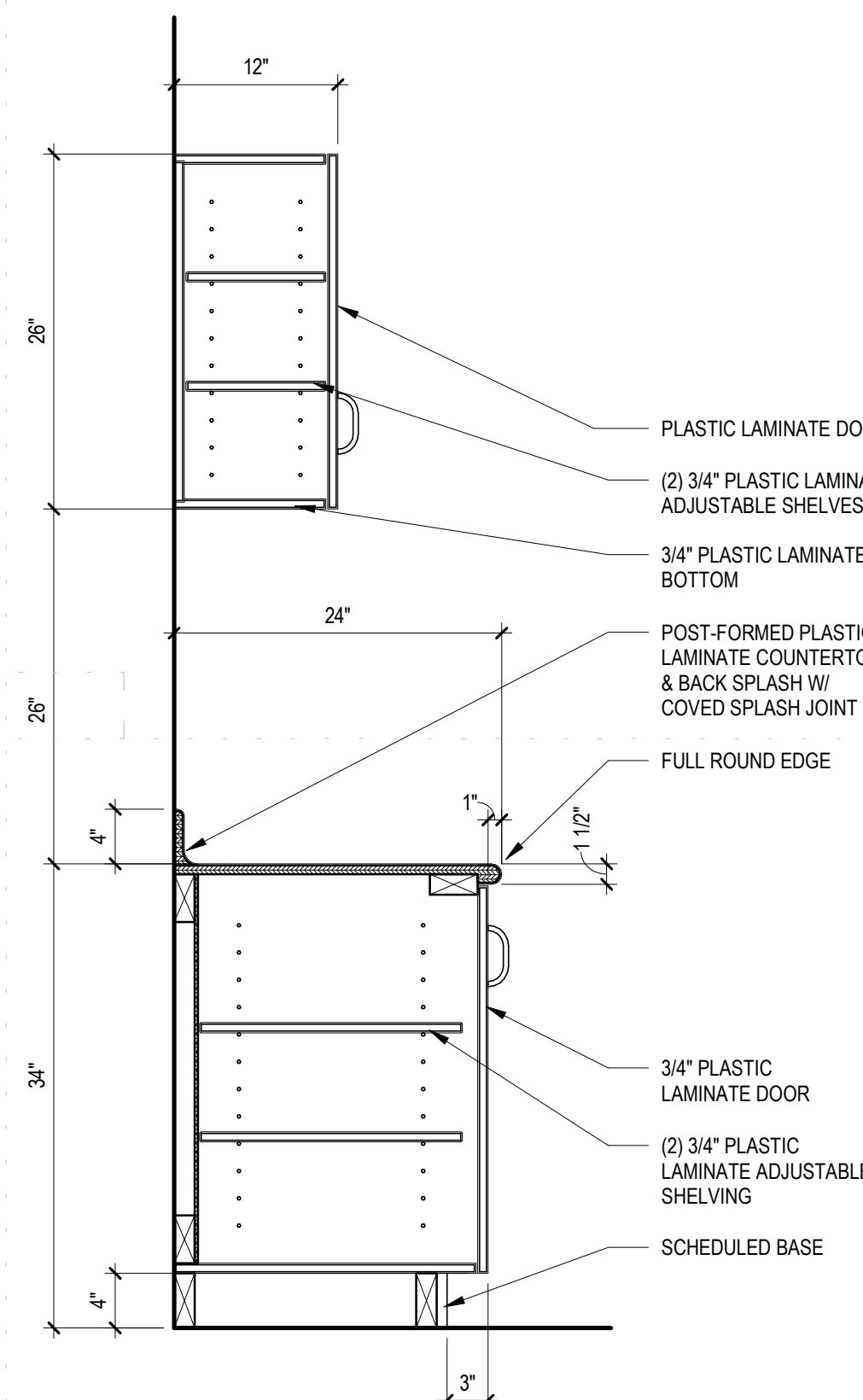
B2 17-00 CABINET SECTION - 5 DRAWER  
AE571 SCALE 1" = 1'-0"



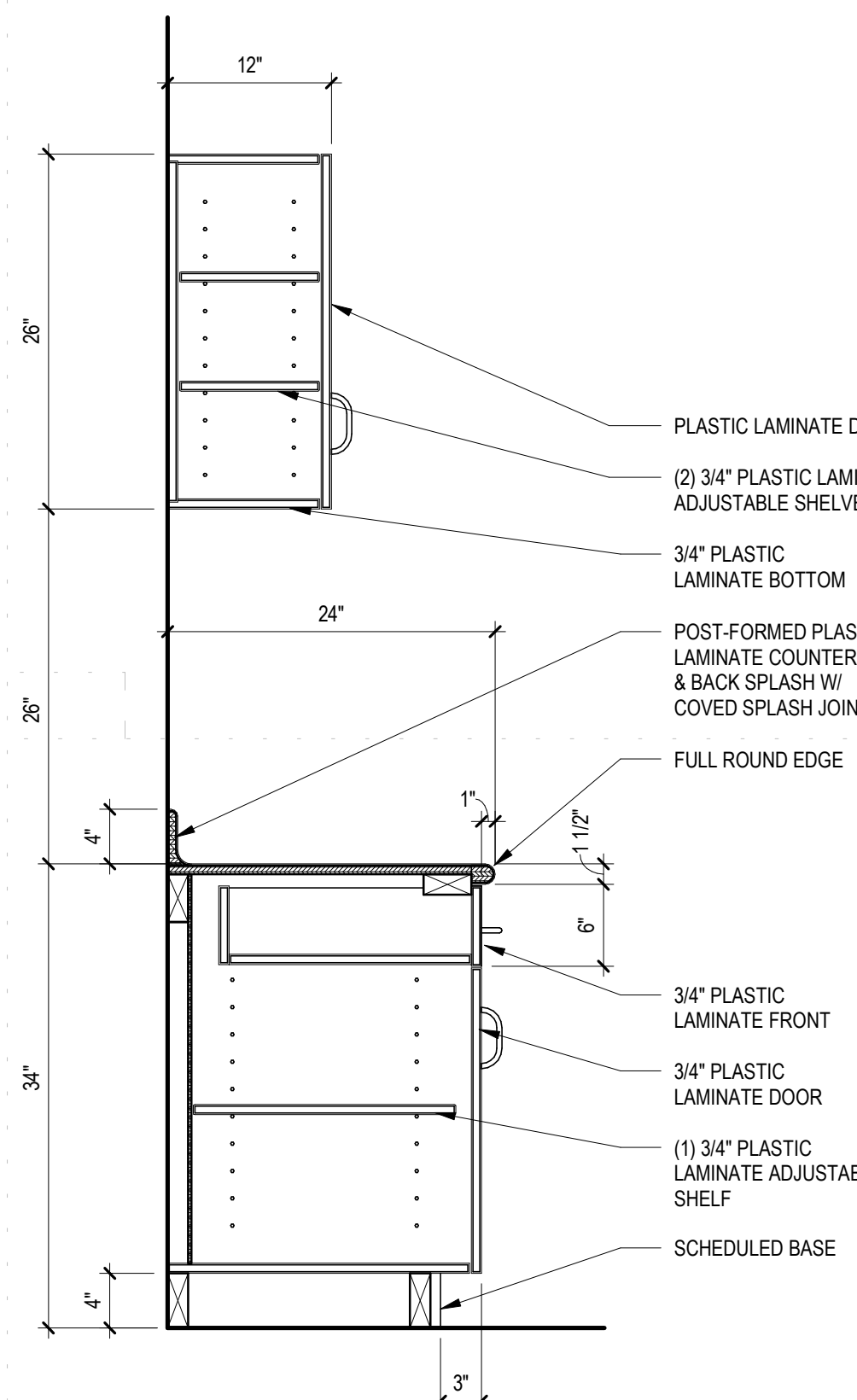
B1 17-00 CABINET SECTION - 4 DRAWER  
AE571 SCALE 1" = 1'-0"



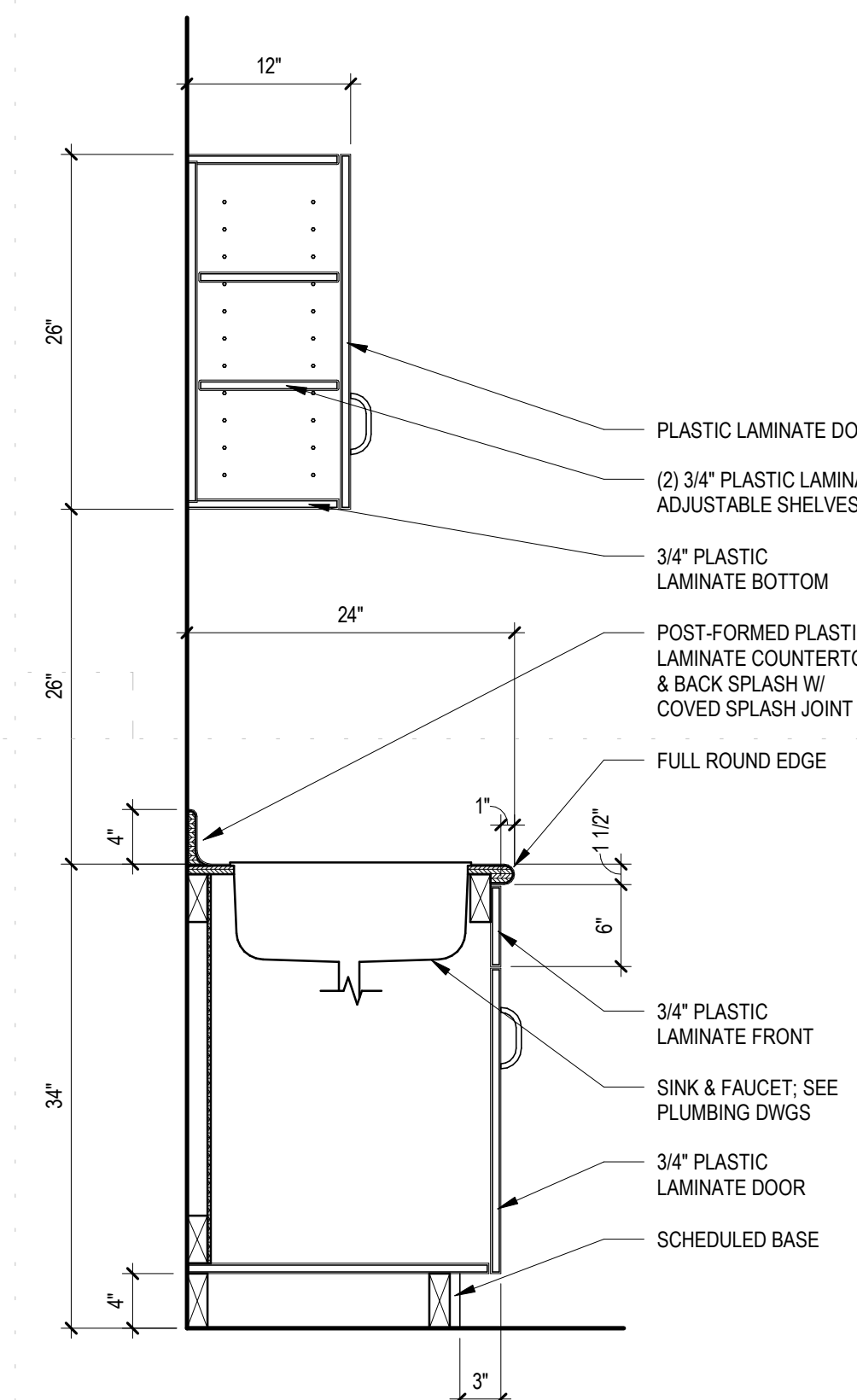
A5 7-03 CABINET SECTION DRAWER Copy 1  
AE571 SCALE 1" = 1'-0"



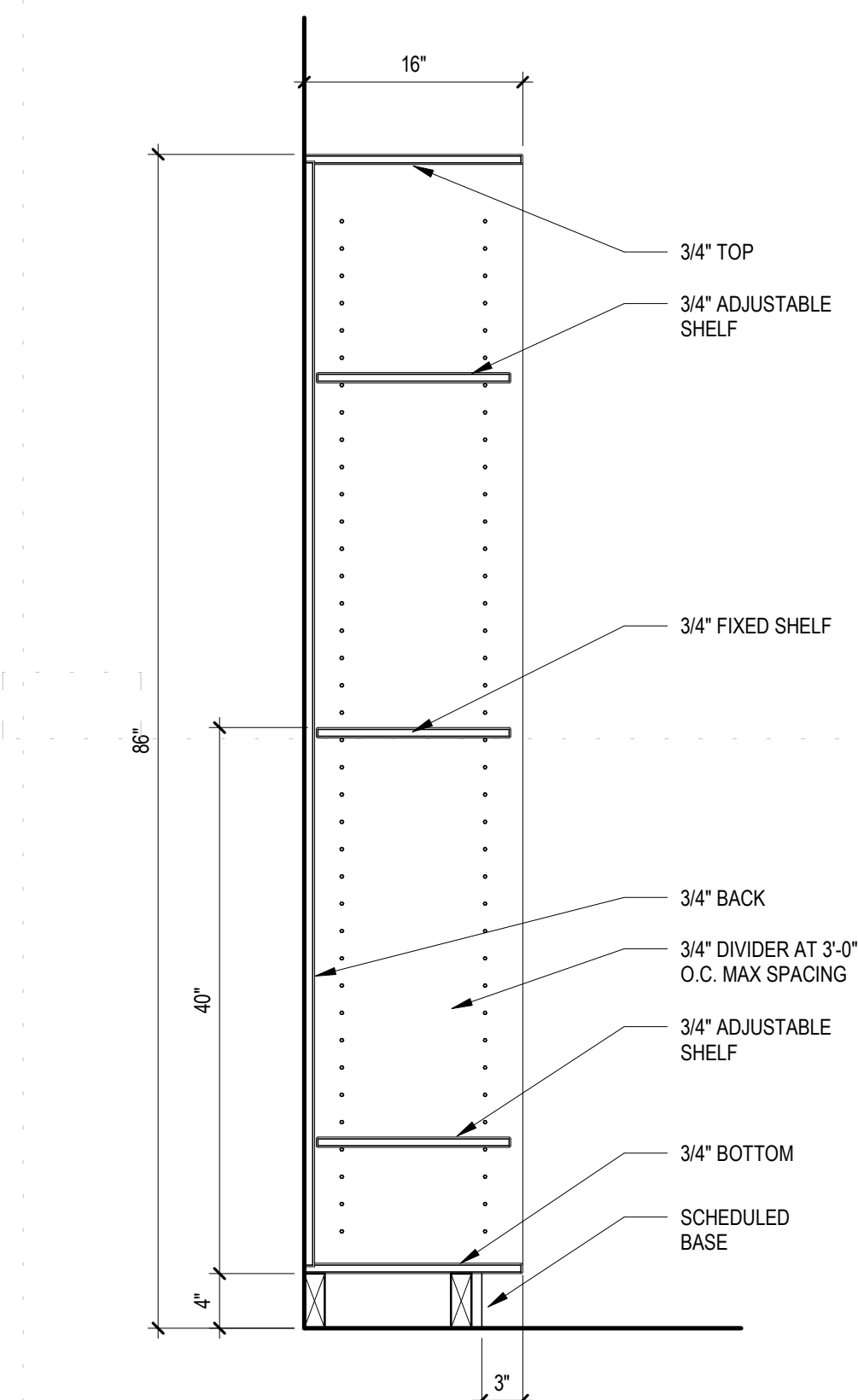
A4 7-04 CABINET SECTION  
AE571 SCALE 1" = 1'-0"



A3 7-03 CABINET SECTION DRAWER  
AE571 SCALE 1" = 1'-0"



A2 7-02 CABINET SECTION SINK  
AE571 SCALE 1" = 1'-0"

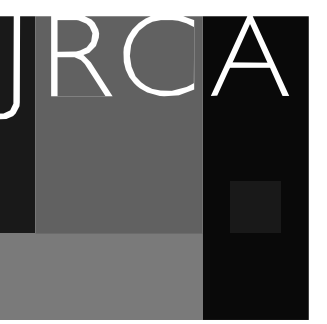


A1 7-01 CABINET SECTION  
AE571 SCALE 1" = 1'-0"

C:\Users\lcoleman\Documents\19028 - Intermountain Snow Basin Clinic\_20\_smh@jrcadesign.com.rvt

8/1/2019 12:58:49 PM





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jrcadesign.com

INTERMOUNTAIN SNOWBASIN CLINIC

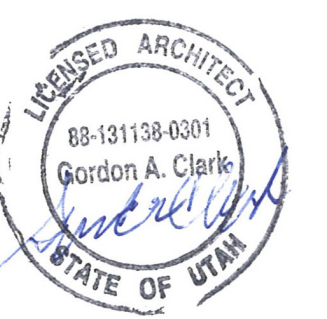
3925 SNOW BASIN RD  
HUNTSVILLE, UTAH 84317

PROJECT #: 19028

PERMIT/BID DOCUMENTS  
07/31/2019

DATE	REVISION

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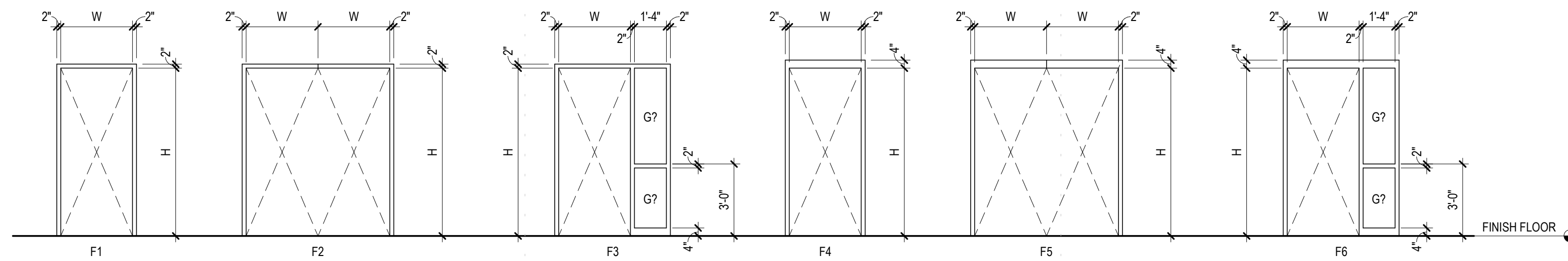
DOOR & FRAME  
TYPES /  
SCHEDULES

AE601

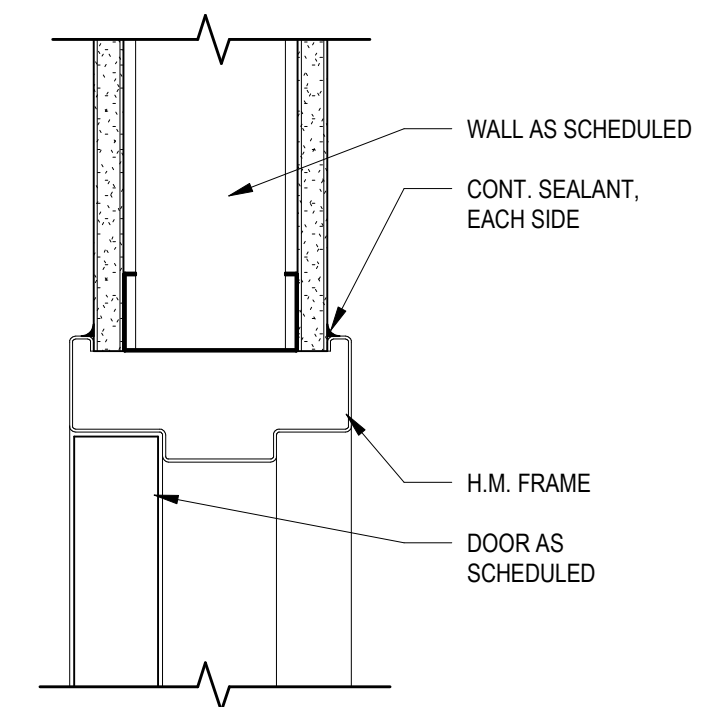
DOOR	DOOR					FRAME					ASSEMBLY FIRE RATING	NOTES	
	WIDTH	HEIGHT	TYPE	MATL	FINISH	GLAZING	TYPE	MATL	FINISH	DETAILS (AE591) HEAD			JAMB
102A	3'-0"	7'-0"	D2	WD	DF1		F1	HM	FF1	A2	A1		
105A	3'-0 1/2"	7'-0"		WD	DF1								SLIDING ASSEMBLY
106A	3'-0 1/2"	7'-0"		WD	DF1								SLIDING ASSEMBLY
108A	3'-0 1/2"	7'-0"		WD	DF1								SLIDING ASSEMBLY
109A	3'-0 1/2"	7'-0"		WD	DF1								SLIDING ASSEMBLY
110A	4'-0"	7'-0"	D1	WD	DF1		F1	HM	FF1	A2	A1		
110B	3'-0"	7'-0"	D1	WD	DF1		F1	HM	FF1	A2	A1		
111A	3'-0"	7'-0"	D1	WD	DF1		F1	HM	FF1	A2	A1		
113A	3'-0"	7'-0"	D2	WD	DF1		F1	HM	FF1	A2	A1		



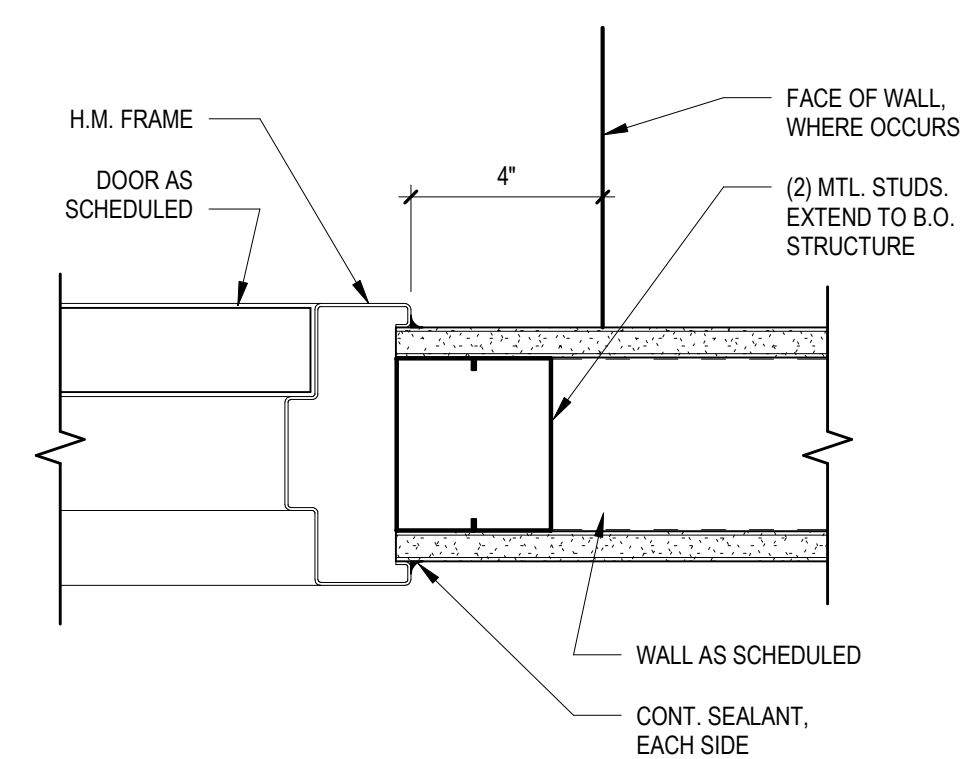
DOOR TYPES



DOOR FRAME TYPES



B1 9-01 INTERIOR H.M. DOOR HEAD  
AE601 SCALE 3" = 1'-0"



A1 9-03 INTERIOR H.M. DOOR JAMB  
AE601 SCALE 3" = 1'-0"

DOOR SCHEDULE NOTES:

1

# LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

## DUCTWORK/GRILLES

	POSITIVE PRESSURE DUCT - RISE
	POSITIVE PRESSURE DUCT - DROP
	NEGATIVE PRESSURE DUCT - RISE
	NEGATIVE PRESSURE DUCT - DROP
	ROUND DUCT - RISE
	ROUND DUCT - DROP
	UNDER FLOOR DUCT
	TURNING VANES
	FRESH AIR LOUVER
	RELIEF AIR OR EXHAUST AIR LOUVER
	CEILING SUPPLY DIFFUSER
	CEILING RETURN REGISTER
	CEILING EXHAUST REGISTER (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
	SIDEWALL SUPPLY REGISTER
	SIDEWALL EXHAUST OR RETURN REGISTER
	CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
	CEILING AIR GRILLE WITH FLEXIBLE DUCT
	CEILING RETURN AIR GRILLE W/ SOUND BOOT
	LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION. NO. OF SLOTS & SIZE OF SLOT ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM
	FLEXIBLE DUCT CONNECTION
	FLEXIBLE DUCT
	FLAT OVAL DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	INCLINED RISE
	INCLINED DROP
	RW=1. ROUND DUCT SIMILAR TO RECTANGULAR
	RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
	RECTANGULAR TO ROUND DUCT TRANSFORMATION
	BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
	TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
	HIGH EFFICIENCY FITTING
	MANUAL VOLUME DAMPER
	FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
	SMOKE DAMPER W/ ACCESS PANEL
	BACK DRAFT DAMPER
	ATC DAMPER
	ACCESS PANEL IN DUCT OR PLENUM
	HEATING OR COOLING COIL IN DUCT
	SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MIN. 1-1/2" TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.
	4-WAY BLOW PATTERN
	3-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	1-WAY BLOW PATTERN
	DUCT SMOKE DETECTOR

TOP FIGURES INDICATE NECK SIZE. BOTTOM FIGURE INDICATES CFM.

## PIPING

	SHUT OFF VALVE
	BALL VALVE
	BUTTERFLY VALVE
	MOTOR OPERATED BUTTERFLY VALVE
	GATE VALVE
	GATE VALVE - NON RISING STEM
	ANGLE VALVE
	GLOBE VALVE
	PLUG VALVE
	SHUT OFF PLUG VALVE FOR USE WITH PRESSURE GAUGE
	CHECK VALVE
	LATERAL STRAINER WITH BLOW-OFF VALVE. PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN
	F&T-FLOAT & THERMOSTATIC
	REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
	PRESSURE REDUCING VALVE EXTERNAL PRESSURE
	PRESSURE REDUCING VALVE SELF CONTAINED
	ATC - 2 WAY VALVE
	ATC - 3 WAY VALVE
	SOLENOID VALVE
	CALIBRATED BALANCING VALVE WITH GPM INDICATED
	VENTURI FLOW METER
	FLOW METER ORIFICE
	RELIEF VALVE
	AIR VENT-MANUAL
	AIR VENT-AUTO

## PIPING CONTINUED

	FLOW SWITCH
	PRESSURE SWITCH
	TEMPERATURE AND PRESSURE TEST PORT
	THERMOMETER WELL
	THERMOMETER - TEMP RANGE AS INDICATED
	PRESSURE GAUGE WITH SHUT OFF PLUG VALVE
	PRESSURE GAUGE WITH PIGTAIL
	UNION
	FLANGE
	FLEXIBLE EXPANSION JOINT
	REDUCER
	ECCENTRIC REDUCER
	BRANCH - BOTTOM CONNECTION
	BRANCH - TOP CONNECTION
	BRANCH - SIDE CONNECTION
	RISE OR DROP
	RISER - DOWN (ELBOW)
	RISER - UP (ELBOW)
	PIPE CAP
	ARROW INDICATES DIRECTION OF FLOW IN PIPE
	LEADER INDICATES DOWNWARD SLOPE
	VALVE IN RISE
	90° ELBOW
	45° ELBOW
	ALIGNMENT GUIDE
	ANCHOR

## PLUMBING

	THERMOSTATIC MIXING VALVE
	HOSE BIBB
	FLOOR SINK
	FLOOR DRAIN
	FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE
	ROOF DRAIN
	DOWNSPOUT NOZZLE
	VENT THRU ROOF
	WATER HAMMER ARRESTOR
	CLEAN-OUT
	FILL PORT
	DRAIN PAN AND P-TRAP
	FIXTURE FROM LEVEL ABOVE
	DEMOLITION

## EQUIPMENT

	UNIT HEATER
	INLINE PUMP
	INLINE PUMP
	FAN

## FIRE

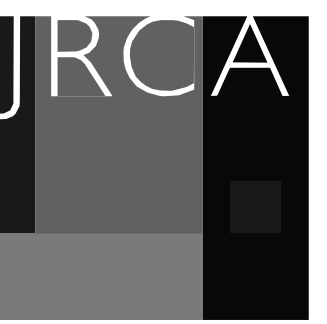
	HOSE VALVE
	NRS GATE VALVE WITH SUPERVISION
	FLOW SWITCH
	FIRE RISER
	SPRINKLER HEAD
	FIRE SPRINKLER WATER

## ANNOTATIONS

	PLUMBING FIXTURES
	POINT OF CONNECTION
	SECTION TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
	DETAIL TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
	EQUIPMENT IDENTIFICATION
	KEYED NOTE IDENTIFICATION
	SWITCH
	SENSOR
	THERMOSTAT
	NIGHT THERMOSTAT

## LINETYPES

	CONDENSATE DRAIN
	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	DOMESTIC HOT WATER RETURN (DHW/R)
	EXISTING PIPING
	EXISTING PIPING TO BE REMOVED
	ROOF DRAIN
	ROOF DRAIN OVERFLOW
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	SEWER (BELOW GRADE)
	SEWER (ABOVE GRADE)
	VENT



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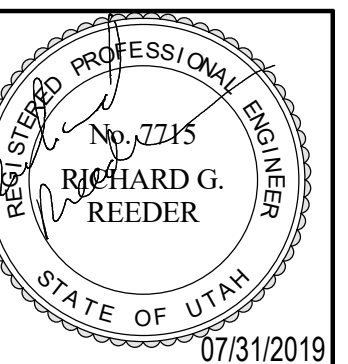
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INTERMOUNTAIN SNOWBASIN CLINIC

3925 SNOW BASIN RD  
HUNTSVILLE, UTAH 84317

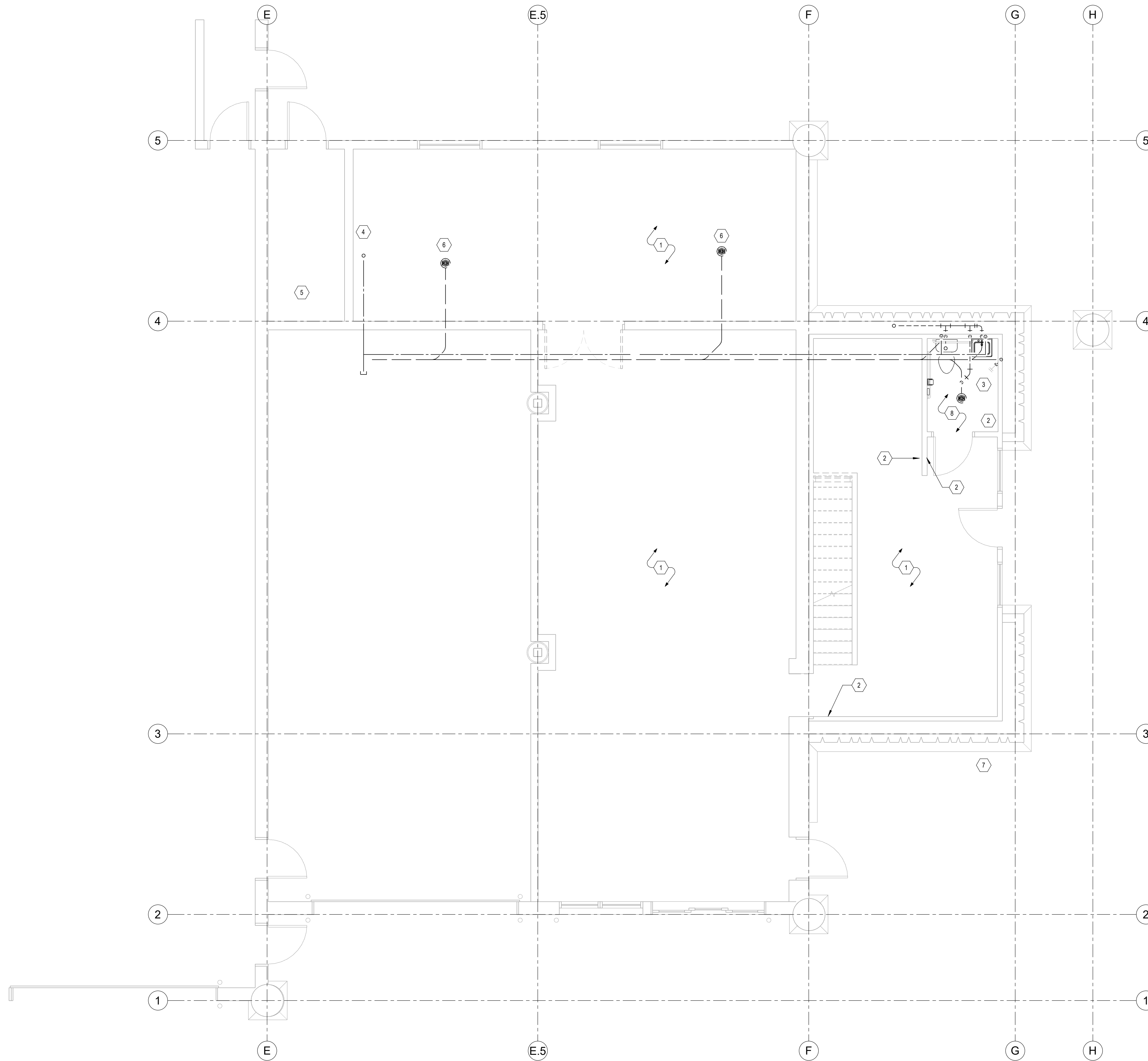
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MECHANICAL SYMBOLS AND LEGEND

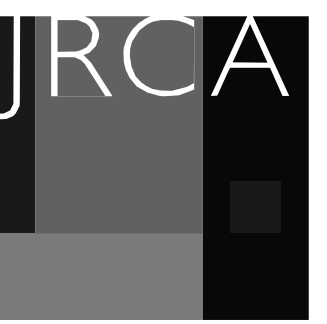
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**1** MAIN LEVEL MECHANICAL AND PLUMBING DEMOLITION PLAN  
SCALE: 1/4" = 1'-0"

**KEYED NOTES**

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCT SIZES, PIPE SIZES AND LOCATIONS PRIOR TO BEGINNING ANY WORK. IF ANY DISCREPANCIES, ERRORS, CONFLICTS OR CONCERNS ARE UNCOVERED BY THE CONTRACTORS THEY SHALL BRING THEM TO THE OWNER/ENGINEER'S ATTENTION PRIOR TO ANY WORK PROGRESSING FOR RESOLUTION.
2. REMOVE ELECTRIC WALL HEATER AND ASSOCIATED CONTROLS.
3. EXHAUST FAN, ASSOCIATED DUCTWORK, CONTROLS AND WALL CAP SHALL REMAIN.
4. DOMESTIC WATER PRV STATION SHALL REMAIN.
5. FIRE RISER BACKFLOW PREVENTION SHALL BE UPGRADED TO A DOUBLE CHECK BACKFLOW PREVENTOR.
6. FLOOR DRAIN SHALL REMAIN.
7. HOSE BIB SHALL REMAIN.
8. WATER CLOSET, LAV, DRAIN AND WATER HEATER SHALL REMAIN. VERIFY WATER HEATER IS STILL FUNCTIONAL OR REPLACE WITH WATER HEATER IWH-S.



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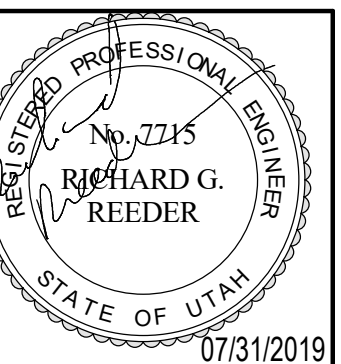
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**INTERMOUNTAIN SNOWBASIN CLINIC**

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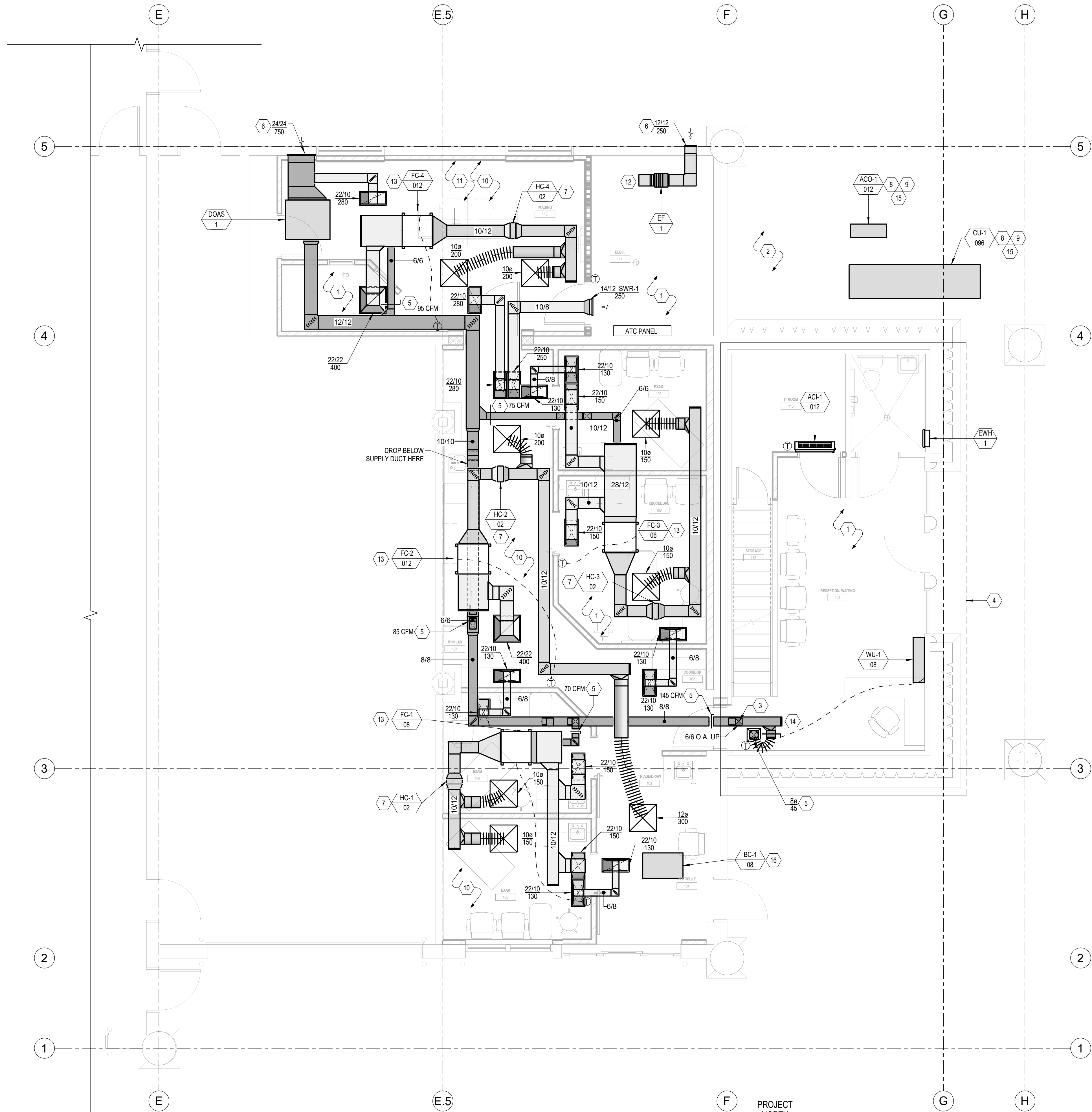
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**MAIN LEVEL MECHANICAL AND PLUMBING DEMOLITION**

**MD101**





**1 MAIN LEVEL MECHANICAL PLAN**  
 SCALE: 1/4" = 1'-0"  
 0 2'-0" 4'-0" 8'-0"  
 PROJECT NORTH

**KEYED NOTES**

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCT SIZES, PIPE SIZES AND LOCATIONS PRIOR TO BEGINNING ANY WORK. IF ANY DISCREPANCIES, ERRORS, CONFLICTS OR CONCERNS ARE UNCOVERED BY THE CONTRACTORS THEY SHALL BRING THEM TO THE OWNER/ENGINEER'S ATTENTION PRIOR TO ANY WORK PROGRESSING FOR RESOLUTION.
2. OUTDOOR UNITS TO MAINTAIN 4- FEET CLEAR OF ELECTRICAL TRANSFORMER.
3. ROUTE OUTSIDE AIR DUCT UP TO SKI PATROL OFFICE ABOVE. ROUTE DUCT TO BELOW CEILING ABOVE AT HIGHEST CEILING SLOPE AND TERMINATE WITH ELBOW AND 6X6 DUCT MOUNTED GRILLE. BALANCE TO 100 CFM.
4. LOCATE WU-2012 ON WALL CENTERED ABOVE WINDOW IN SKI PATROL OFFICE. COORDINATE THERMOSTAT LOCATION WITH SNOWBASIN.
5. BALANCE OUTSIDE AIR CFM AS INDICATED. LOCATE IN ACCESSIBLE LOCATION. COORDINATE WITH ARCHITECT. (TYPICAL)
6. LOCATE TOP OF LOUVER TO MATCH EXISTING LOUVER HEIGHT ON ADJACENT WALL. COORDINATE LOCATION WITH ARCHITECT.
7. MAINTAIN 4'-0" CLEARANCE FROM UNIT DISCHARGE PER NATIONAL ELECTRICAL CODE.
8. MAINTAIN SNOW REMOVAL FROM REQUIRED CLEARANCE AREAS.
9. LOCATE UNIT TO BE CLEAR OF ROOF SNOW FALL LINE.
10. BRANCH DUCT AND DIFFUSER, GRILLE OR REGISTER NECK SIZE SHALL BE THE SAME SIZE, UNLESS OTHERWISE NOTED. (TYP)
11. COORDINATE CEILING SPACE WITH REQUIRED CONDUIT FOR X-RAY MACHINE.
12. ORIENT ELBOW OPENING TOWARD CEILING.
13. LOCATE FAN COIL UNIT ABOVE CEILING TO ALLOW FOR 18-INCH X 18-INCH REQUIRED ACCESS. VERIFY WITH MANUFACTURER. (TYPICAL)
14. COORDINATE DUCTWORK BETWEEN FLOOR JOISTS AT THIS APPROXIMATE LOCATION.
15. COORDINATE REFRIGERANT PIPING WITH OWNER, TENANT AND ARCHITECT TO MINIMIZE IMPACT TO EXTERIOR AT PENETRATION AT BUILDING.
16. MAINTAIN BRANCH CONTROLLER CLEARANCES, VERIFY WITH MANUFACTURER.

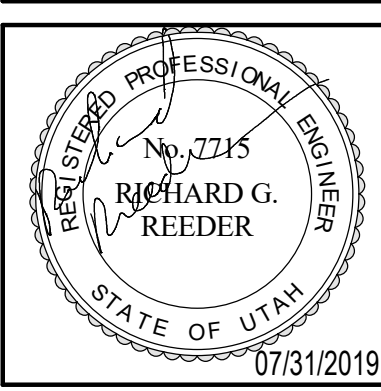
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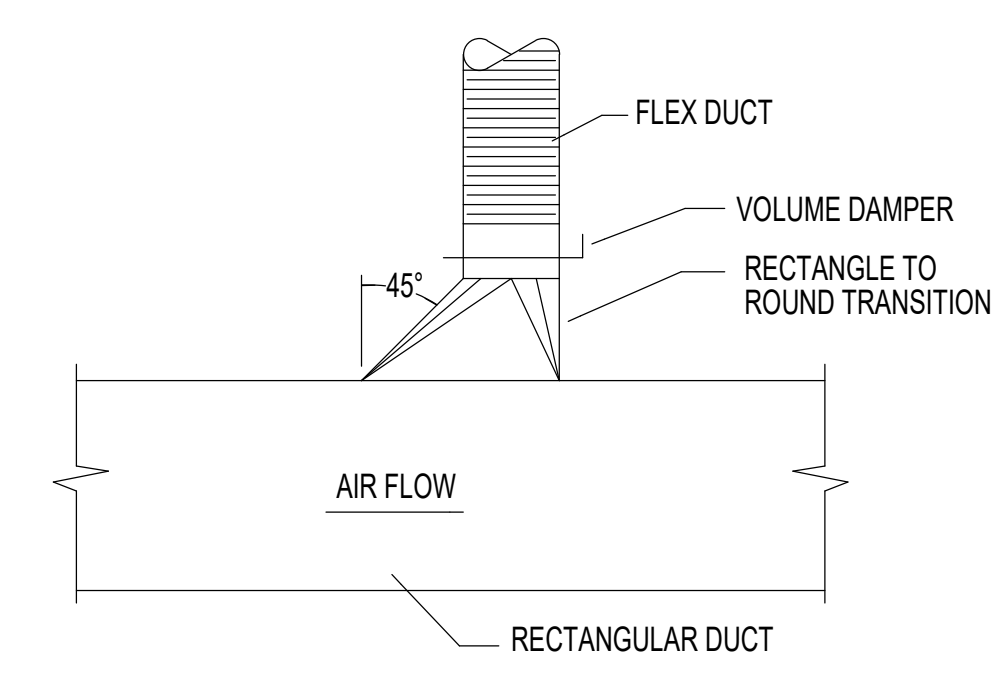
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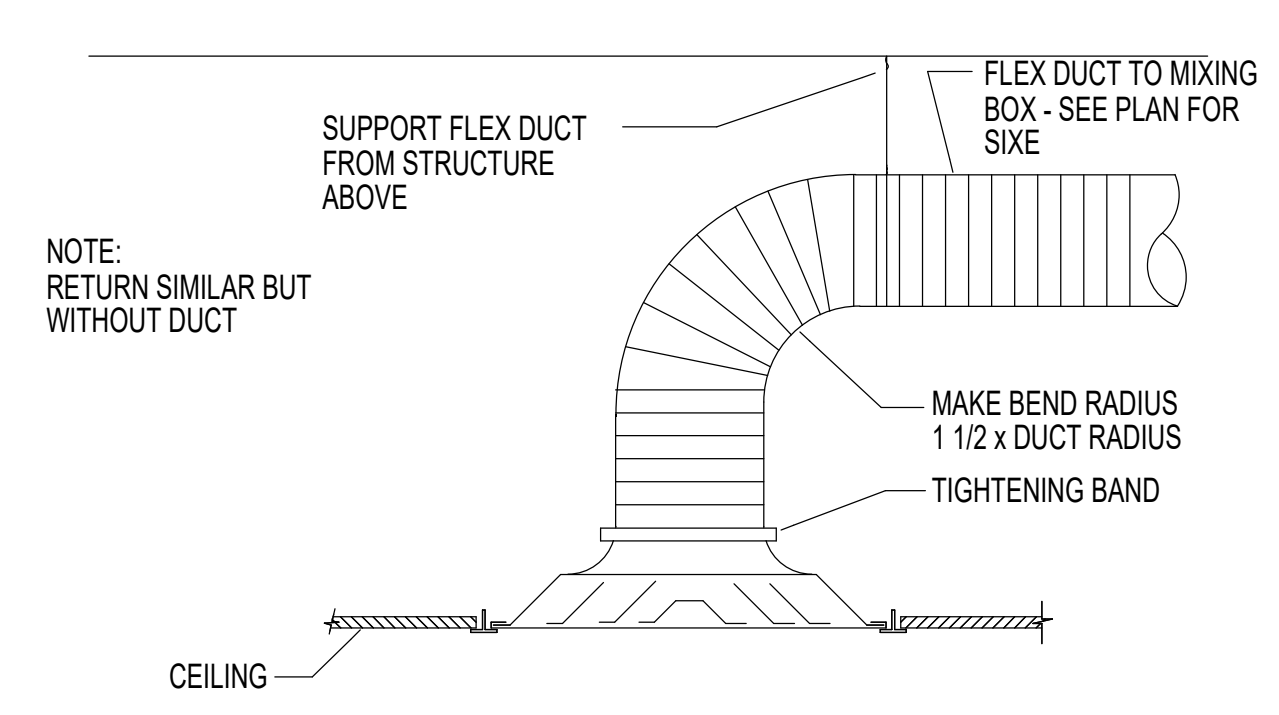
**MAIN LEVEL MECHANICAL PLAN**

**MH101**

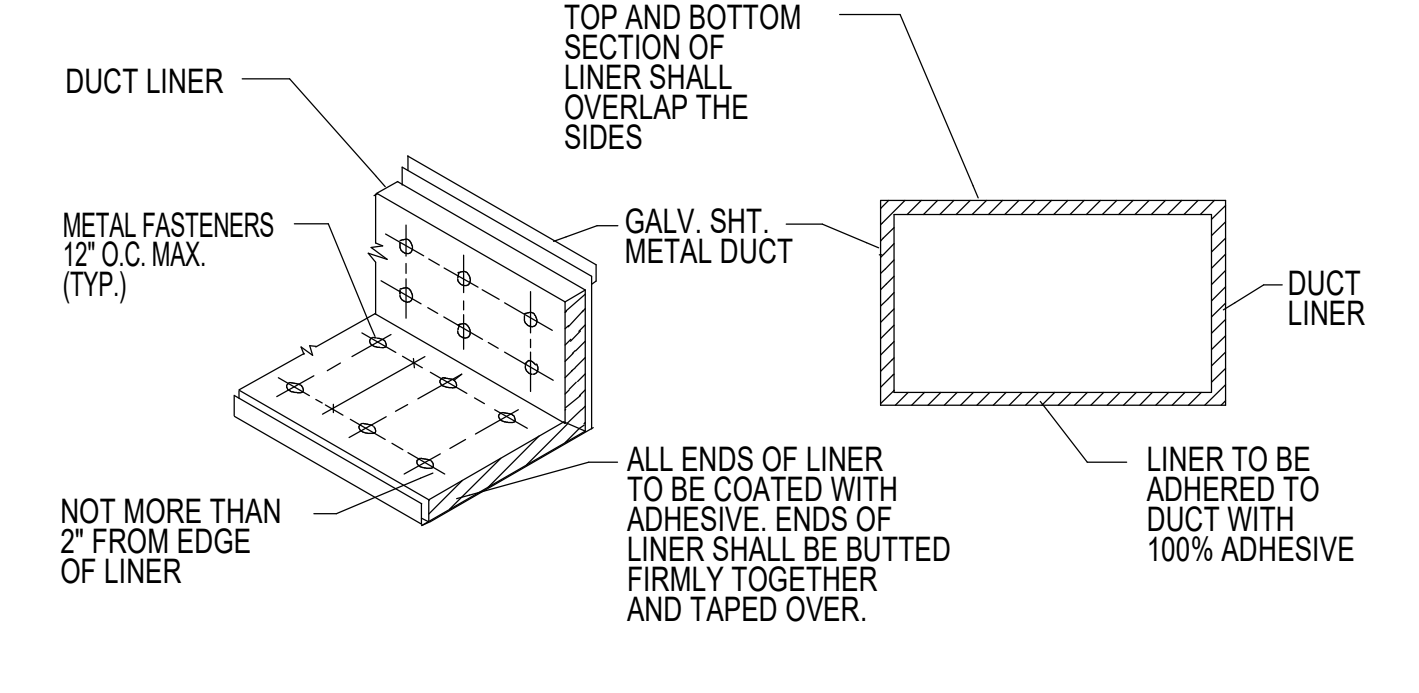
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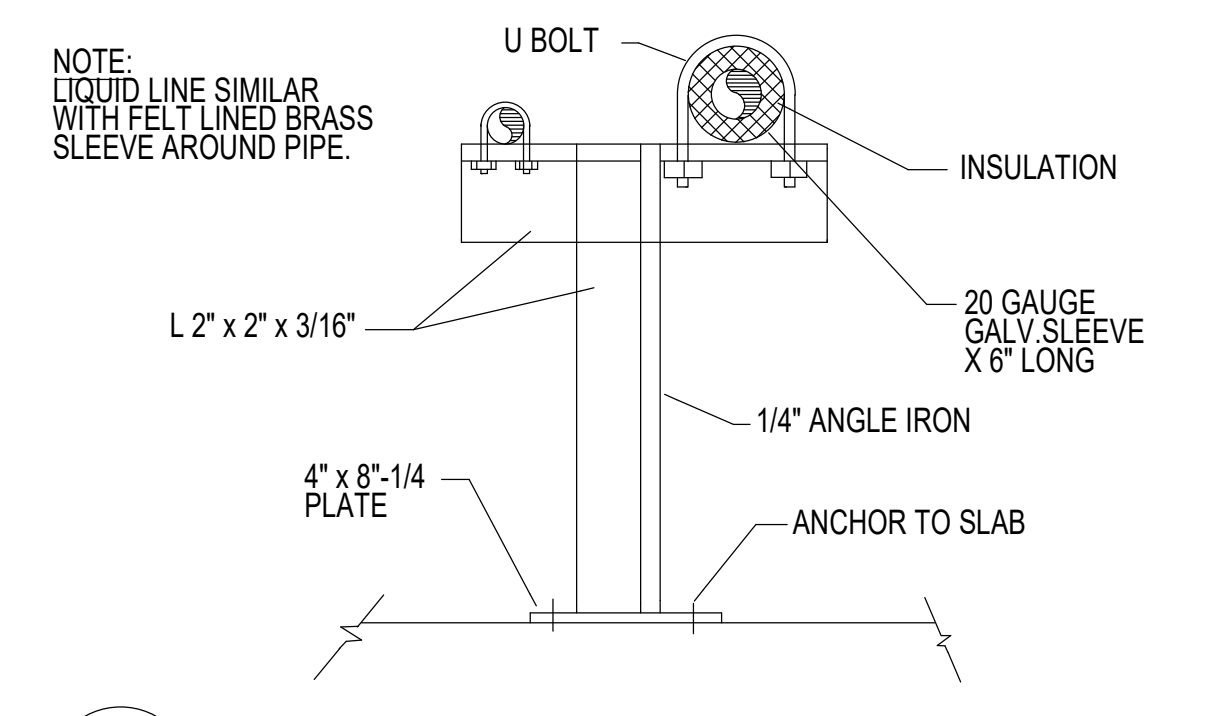
9 HIGH EFFICIENCY TAKE-OFF DETAIL  
NO SCALE



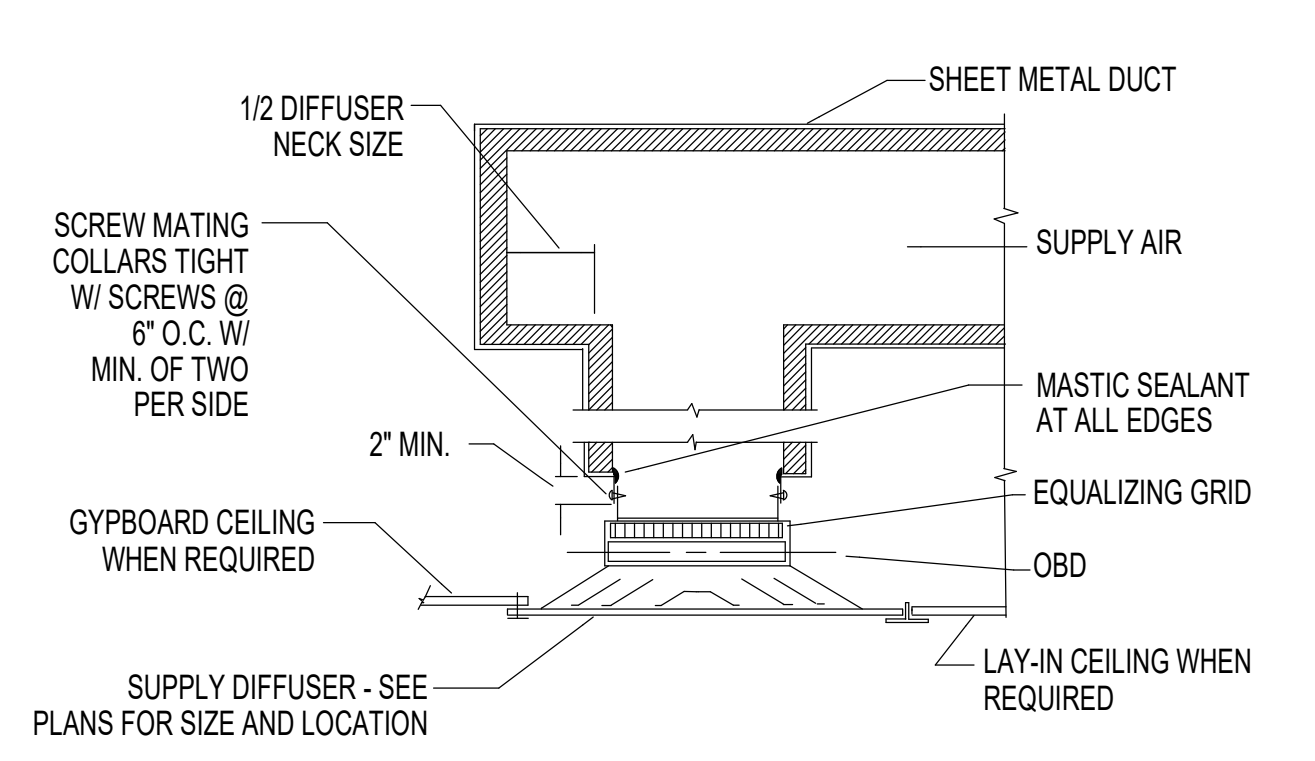
5 DIFFUSER CONNECTION DETAIL  
NO SCALE



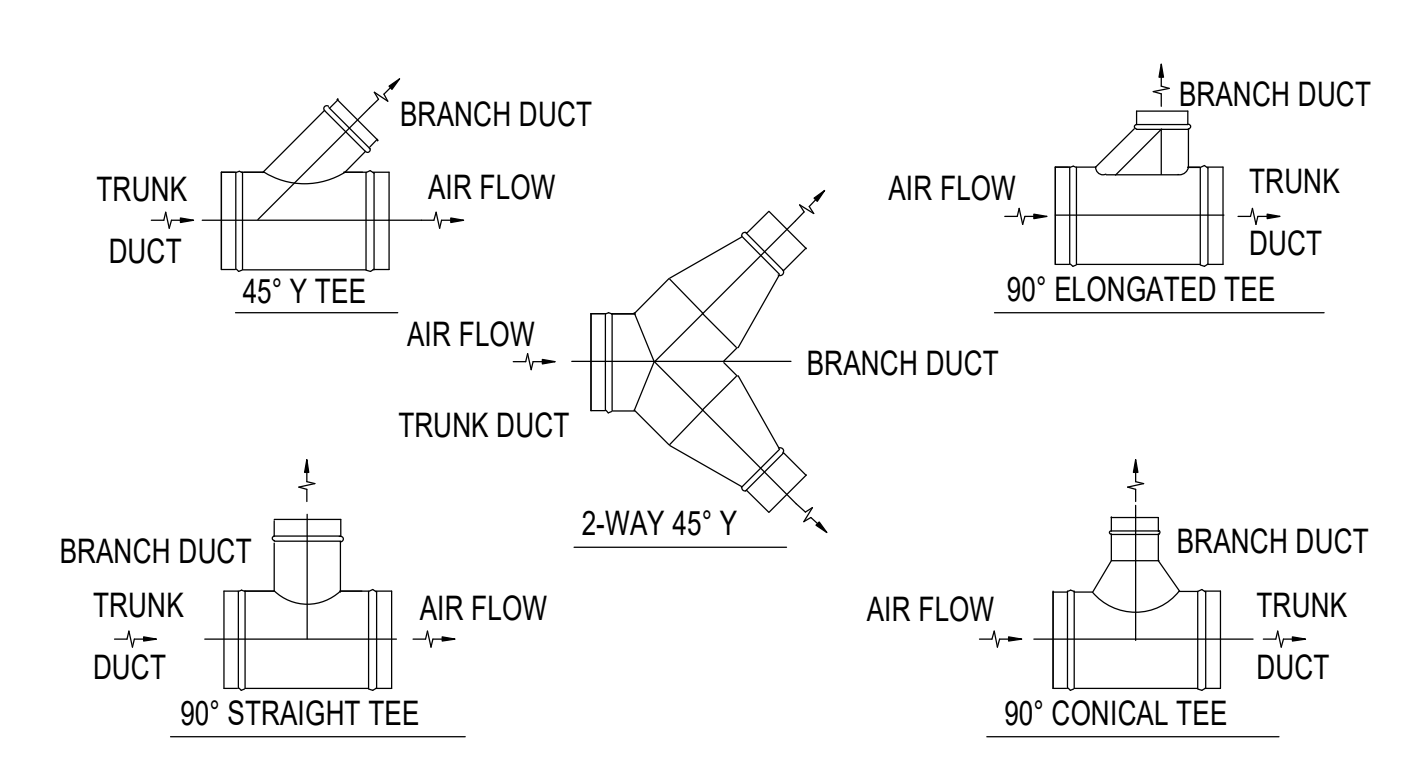
1 DUCT LINER DETAIL  
NO SCALE



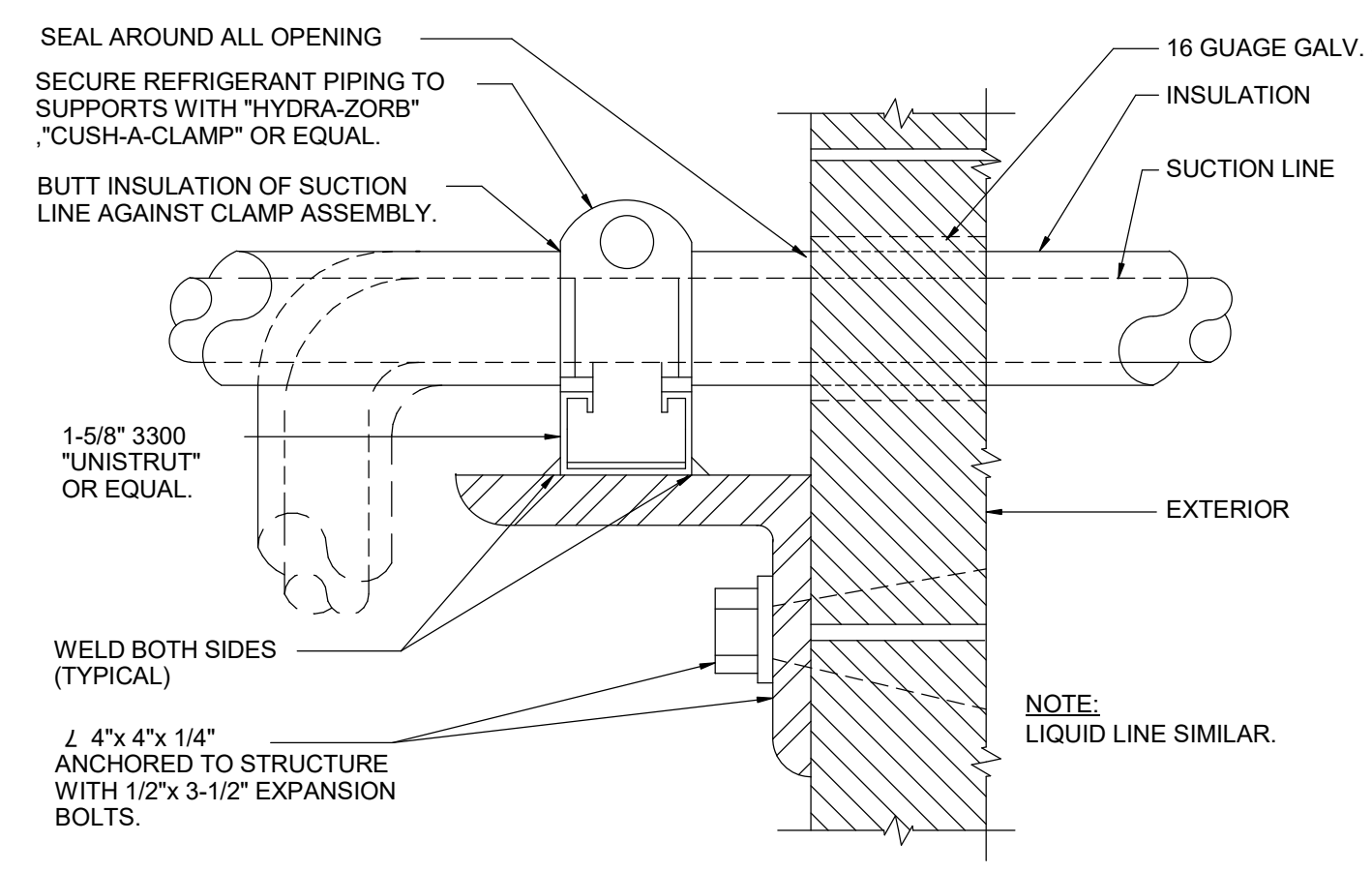
10 EXTERIOR REFRIGERANT PIPE SUPPORT  
NO SCALE



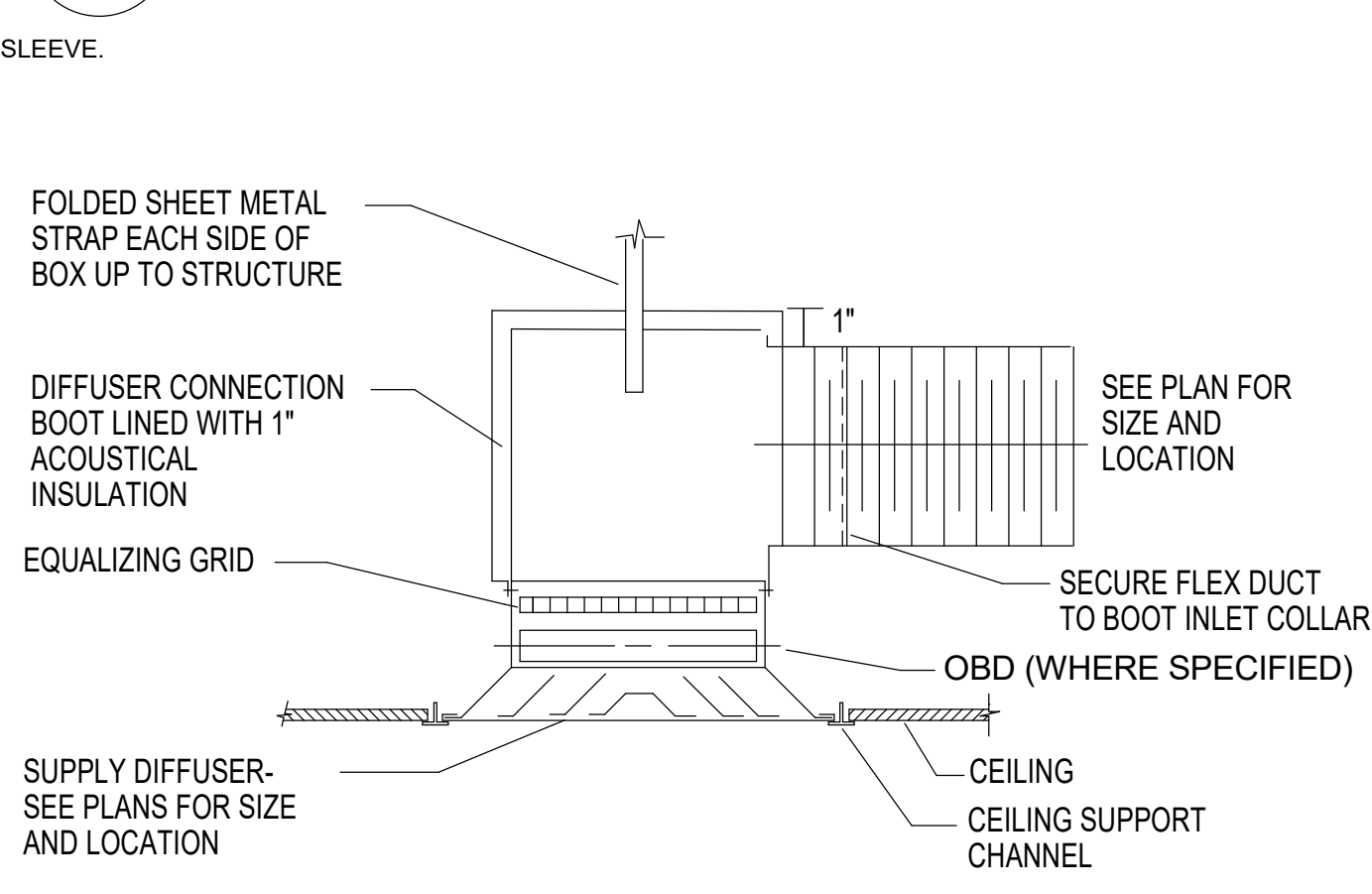
6 TYPICAL CEILING DIFFUSER DETAIL  
NO SCALE



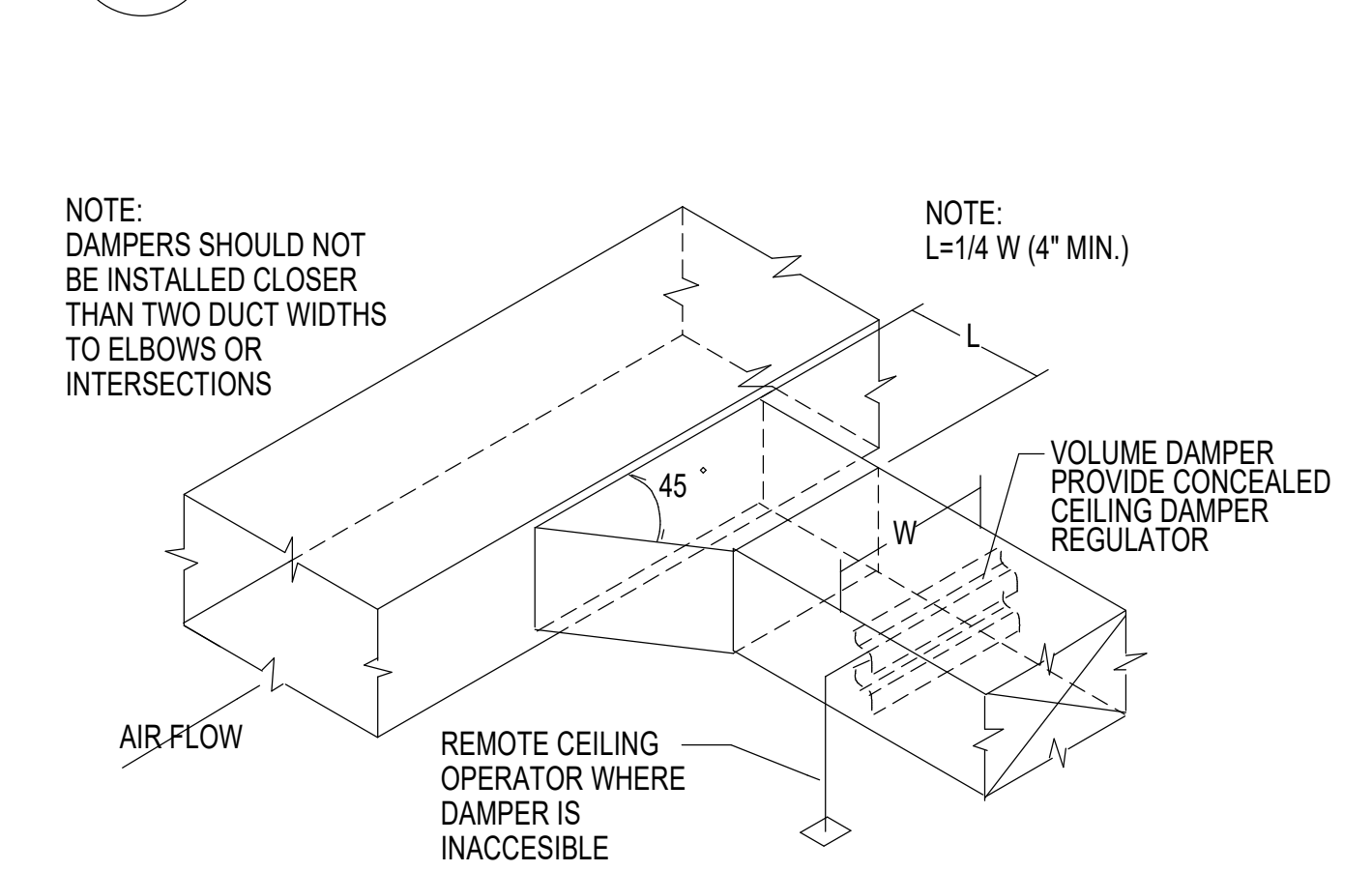
2 ROUND DUCT BRANCH TAKE-OFF DETAILS  
NO SCALE



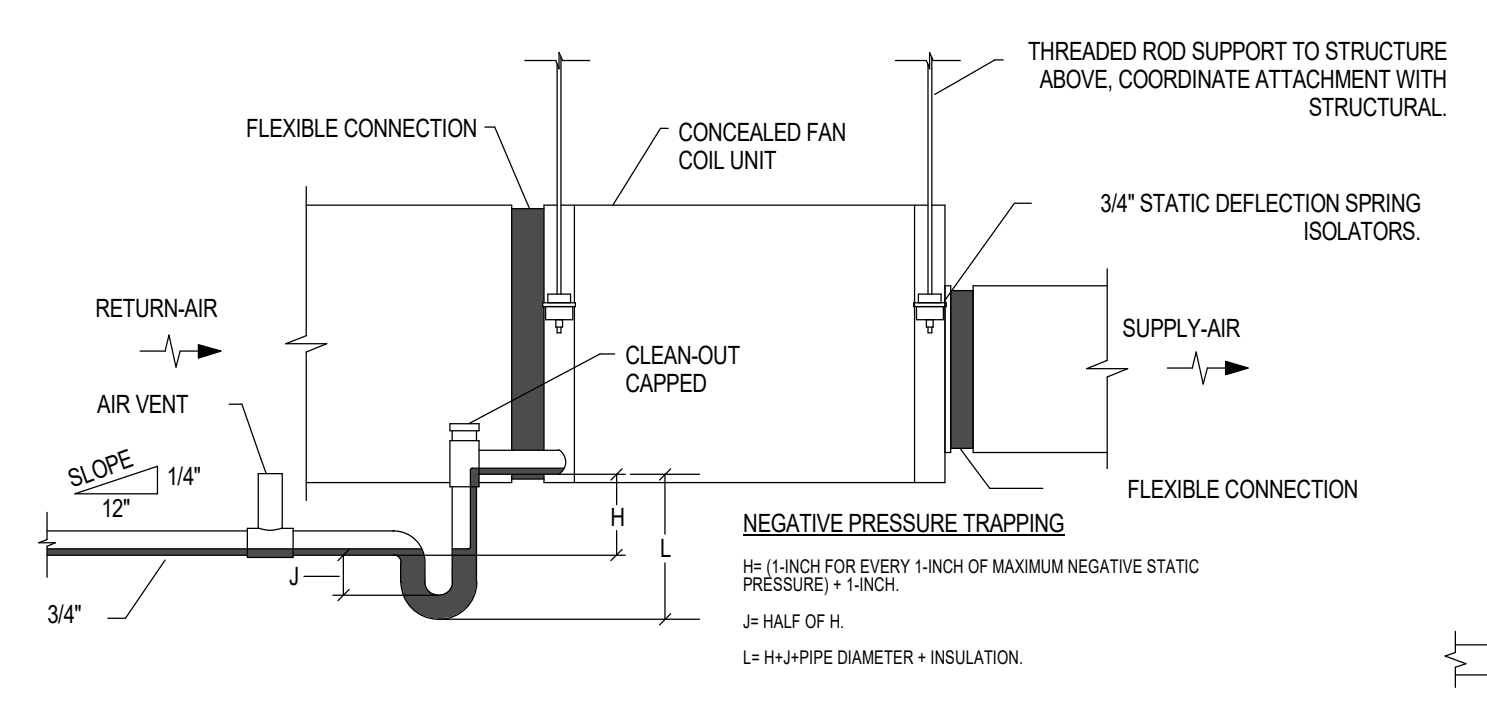
11 REFRIGERANT PIPE ANCHOR AT WALL DETAIL  
NO SCALE



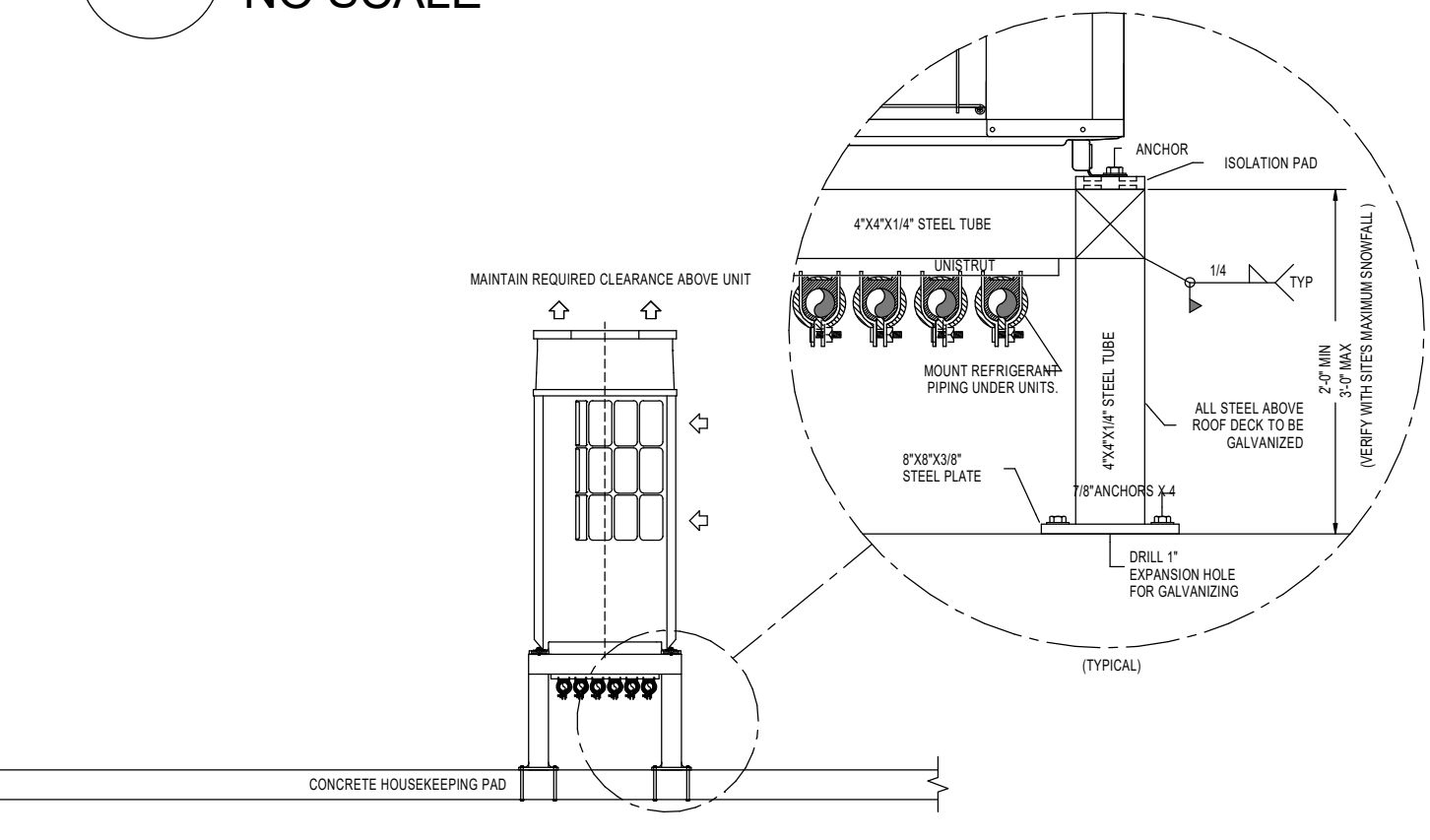
7 SUPPLY DIFFUSER W/ FLEX DUCT DETAIL  
NO SCALE



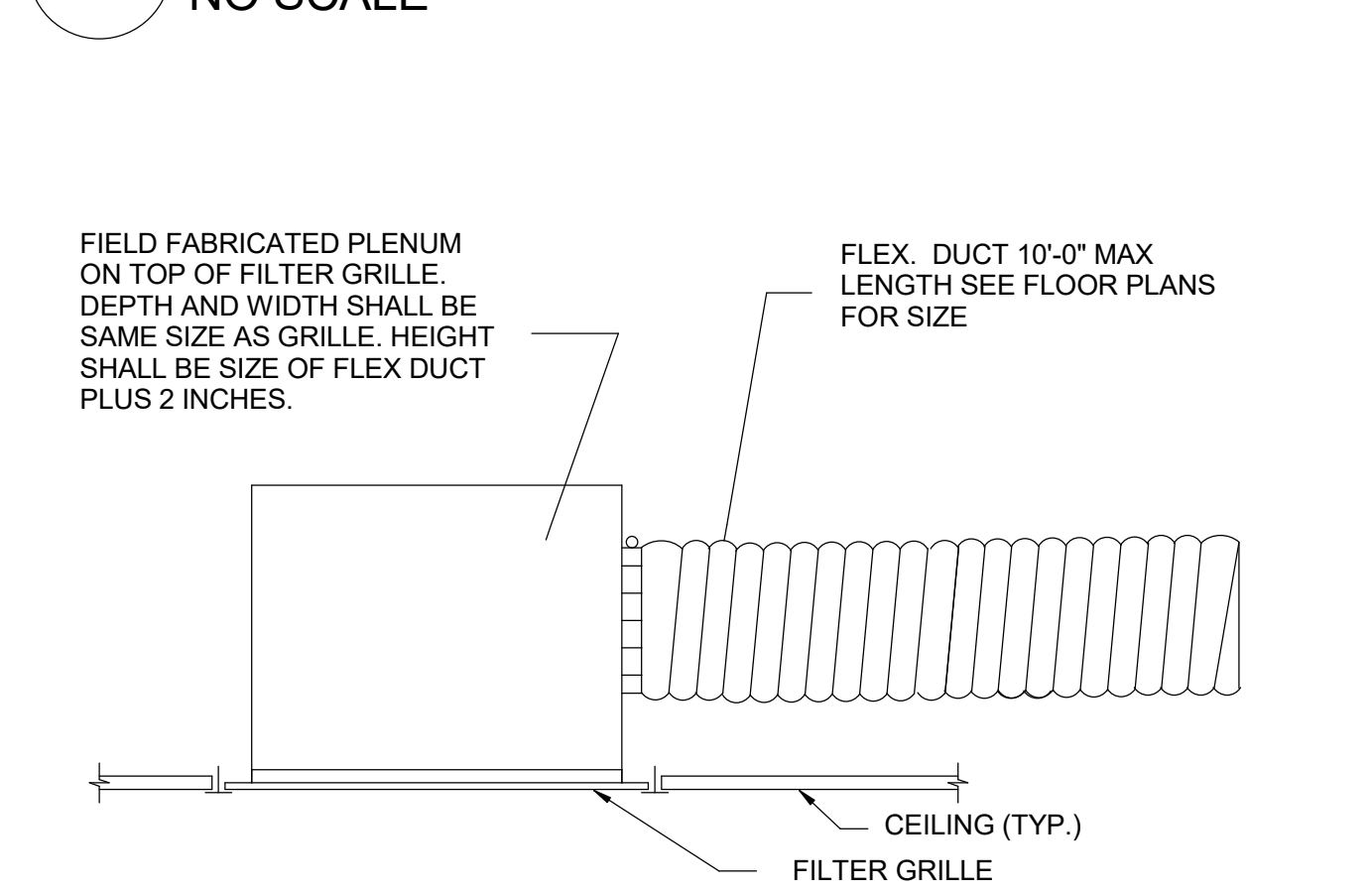
3 BRANCH DUCT TAKE-OFF & DAMPER DETAIL  
NO SCALE



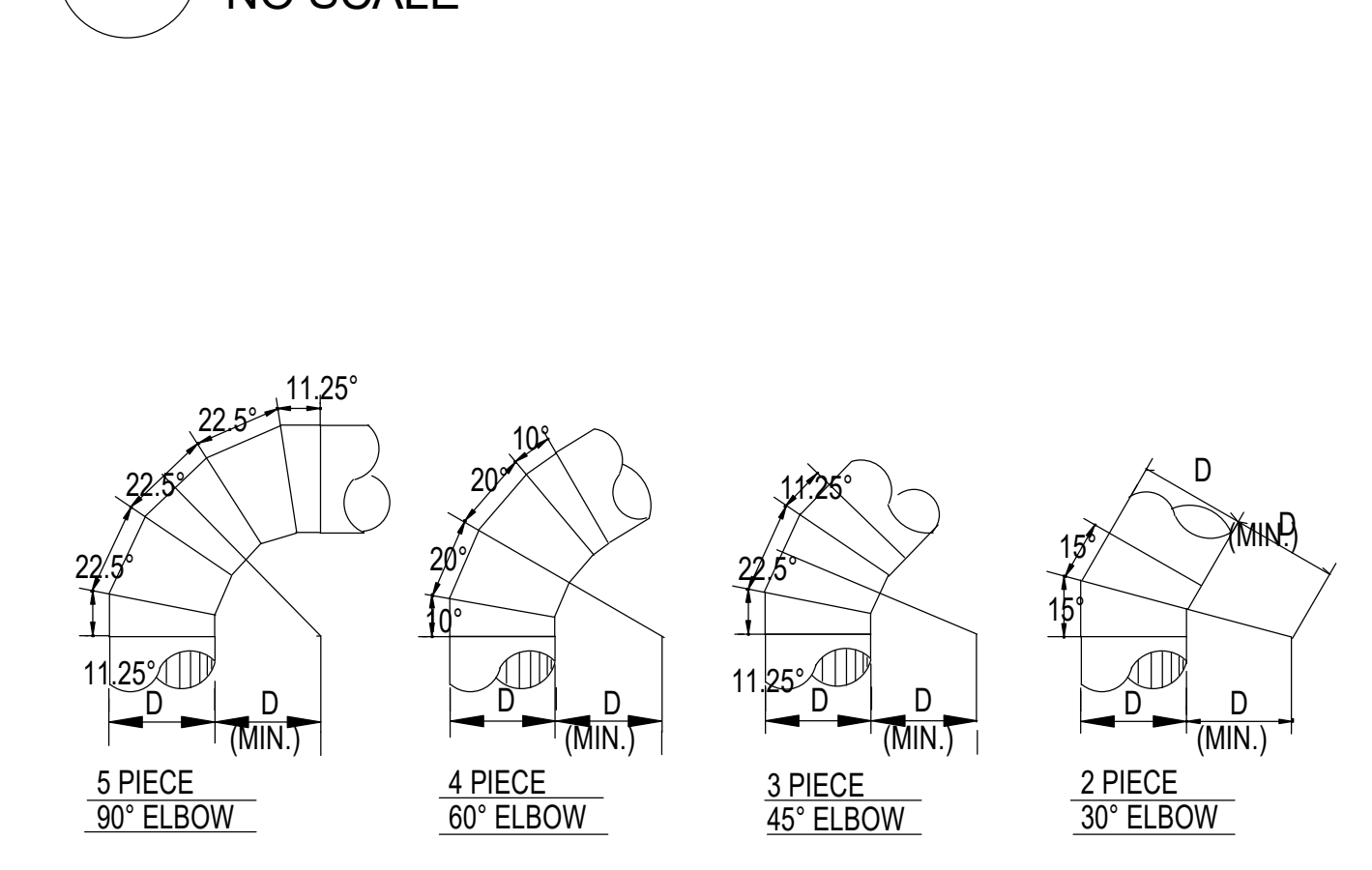
13 FAN COIL CONDENSATE P-TRAP DETAIL  
NO SCALE



12 VRF OUTDOOR UNIT SUPPORT DETAIL  
NO SCALE



8 FILTER RETURN GRILLE DETAIL  
NO SCALE



4 ROUND DUCT ELBOW DETAILS  
NO SCALE

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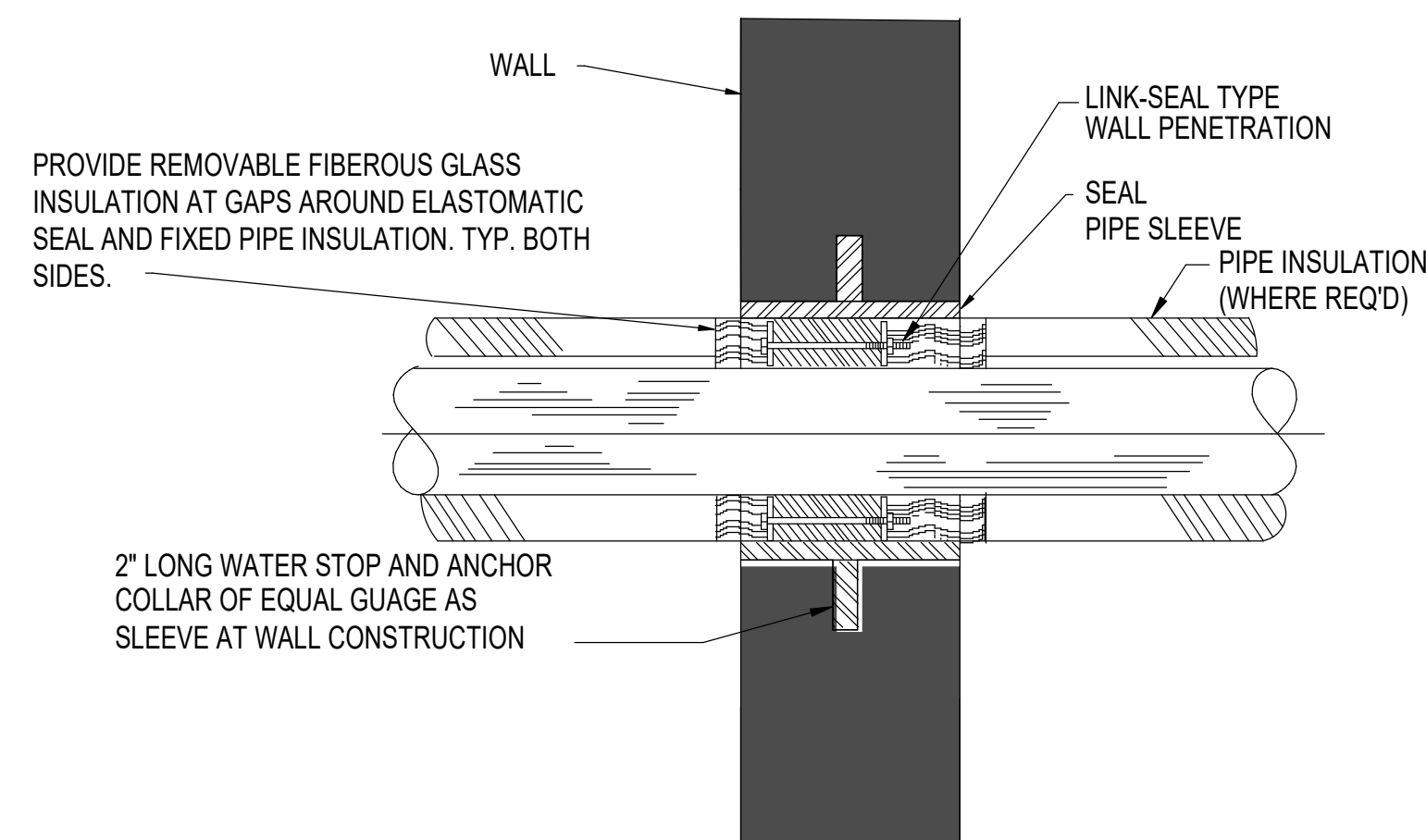
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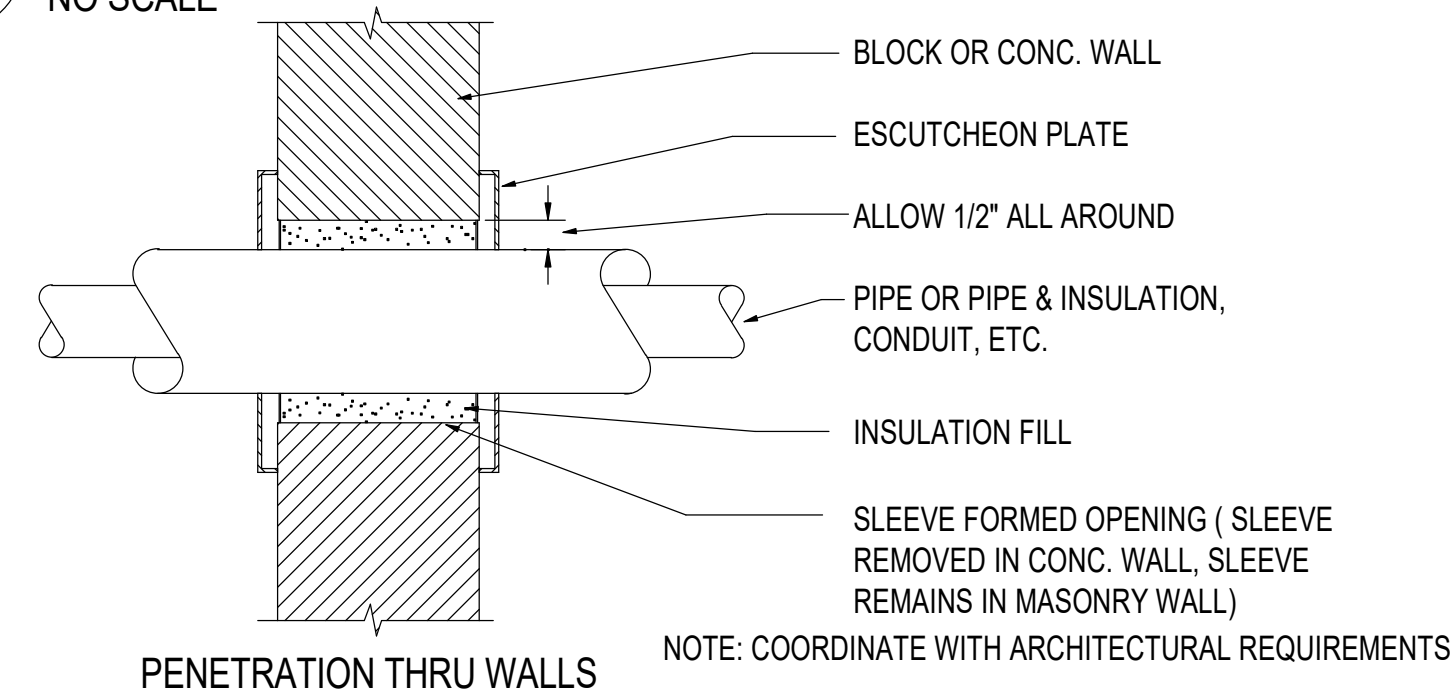
PROFESSIONAL ENGINEER  
No. 2745  
RICHARD G. REEDER  
STATE OF UTAH  
07/31/2019

MECHANICAL DETAILS

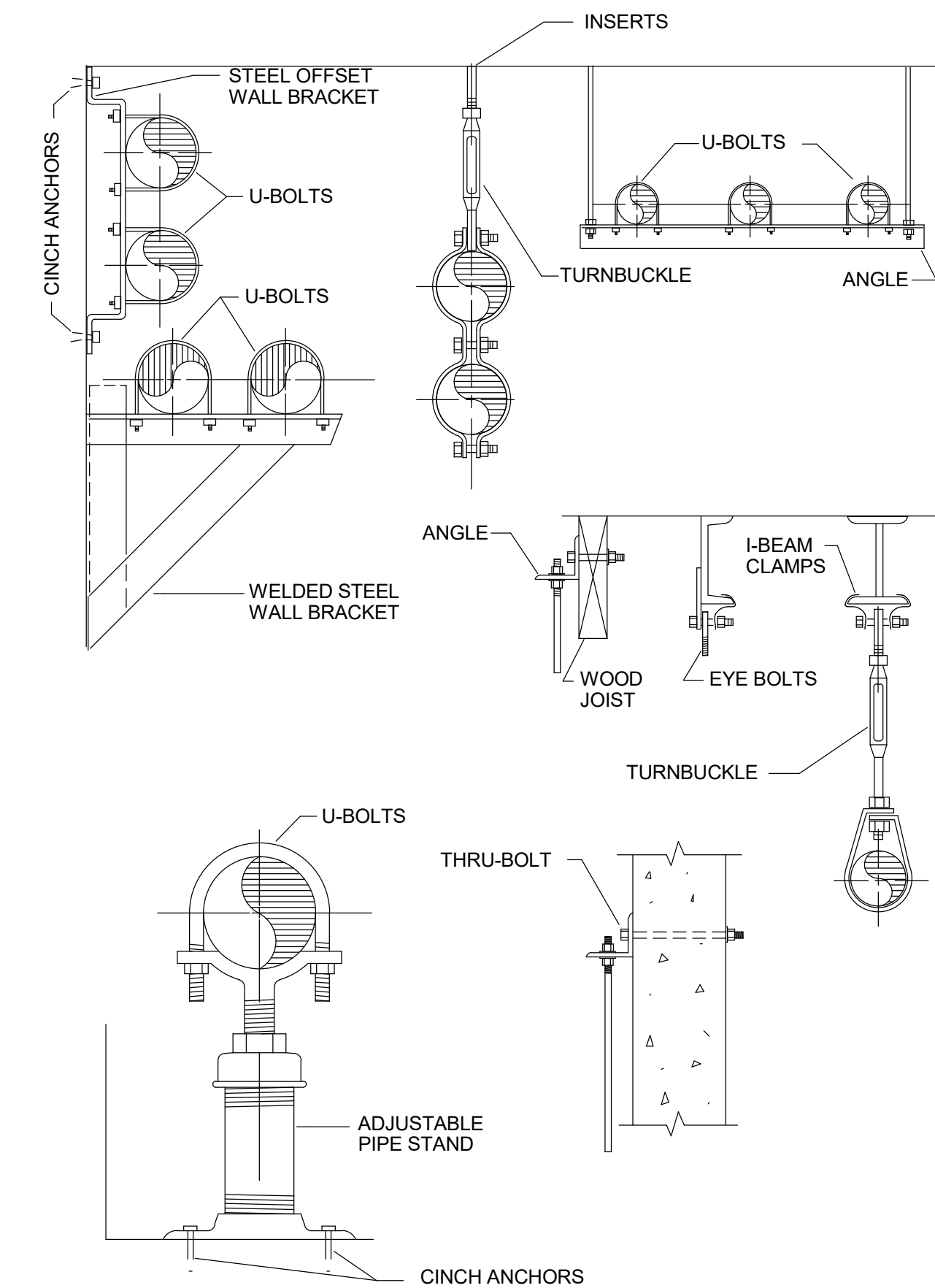
MH501



4 PIPE SLEEVE THROUGH WALL DETAIL  
NO SCALE



3 TYPICAL WALL AND ROOF PENETRATIONS  
NO SCALE

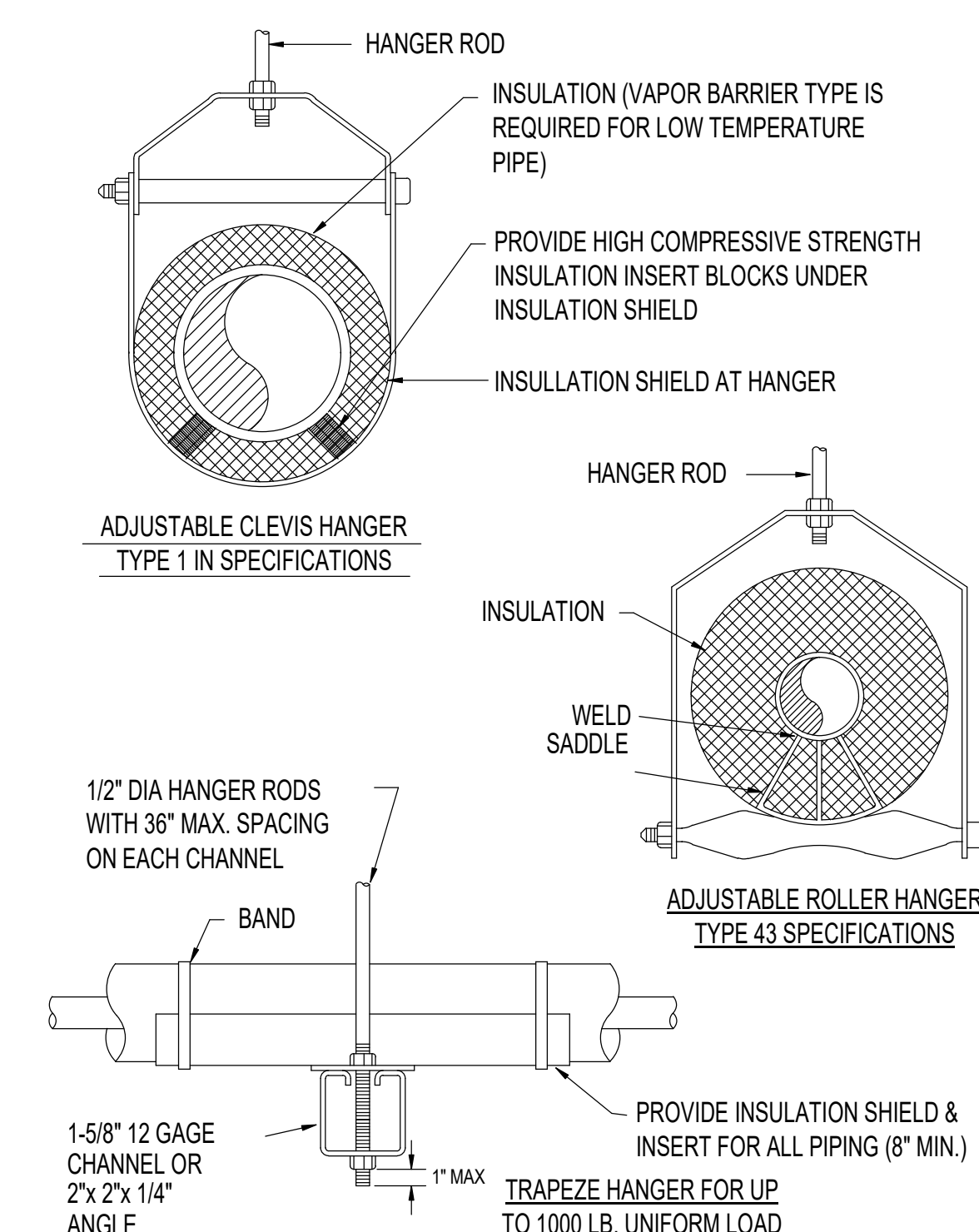
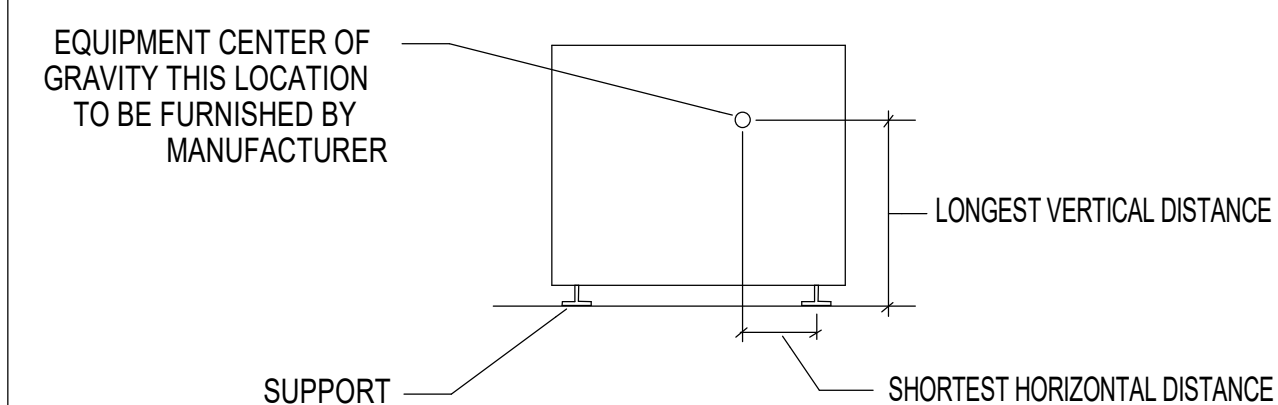


1 TYPICAL PIPE SUPPORT DETAIL  
NO SCALE

**EQUIPMENT ANCHORAGE TO CONCRETE FLOOR LIST**

EQUIPMENT WEIGHT PER ANCHOR BOLT	MINIMUM ANCHOR DIAMETER (INCHES)	MINIMUM DEPTH OF EMBEDMENT (INCHES)	ICBO ALLOWABLE SHEAR PER BOLT (LBF)	ICBO ALLOWABLE TENSION PER BOLT (LBF)
UP TO 150#	1/4"	1-1/2"	380	215
300#	3/8"	2-1/2"	860	355
600#	1/2"	3"	1710	665
900#	5/8"	4-1/2"	2500	855
1300#	3/4"	6"	3050	1585
2000#	1"	6"	6280	2020

- 1 THE SIZES AND EMBEDMENT ARE FOR ANCHORS INSTALLED IN STONE AGGREGATE CONCRETE HAVING A FC = 2000 PSI ULTIMATE COMPRESSIVE STRENGTH AT THE TIME OF INSTALLATION. ALL BOLTS ARE TO BE INSTALLED PER MANUFACTURER INSTRUCTIONS AND TO BE INSTALLED NO CLOSER THAN 12 DIAMETERS ON CENTER AND WITH A MINIMUM EDGE DISTANCE OF 6 DIAMETERS.
- 2 EACH EQUIPMENT SUPPORT LEG WILL BE ANCHORED AND ALL EQUIPMENT WILL BE ANCHORED AT ALL CORNERS. A MINIMUM OF TWO ANCHORS WILL BE REQUIRED FOR ALL EQUIPMENT.
- 3 EQUIPMENT WEIGHT PER ANCHOR IS THE TOTAL OPERATING OF EQUIPMENT PLUS BASES AND SUPPORTS DIVIDED BY THE NUMBER OF ANCHORS.
- 4 ANCHORAGE IS TO PREVENT HORIZONTAL MOVEMENT. IF EQUIPMENT GEOMETRY IS SUCH THAT THE VERTICAL DISTANCE FROM SUPPORT LEG TO CENTER OF GRAVITY IS GREATER THAN FOUR TIMES THE SHORTEST DISTANCE FROM A SUPPORT LEG TO THE CENTER OF GRAVITY, ADDITIONAL ANCHORAGE AND RESTRAINTS WILL BE REQUIRED TO PREVENT OVERTURNING.



1-5/8" 12 GAGE CHANNEL OR 2"x 2"x 1/4" ANGLE

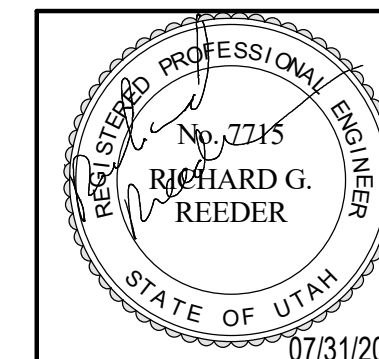
TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

NOM. SIZE	MAXIMUM PIPE/TUBING SUPPORT SPACING, FEET																
	THRU 3/4"	1 1/4"	1-1/2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	16"	18"	20"	24"		
PIPING	7 FT	7	7	9	10	11	12	14	16	17	19	22	23	25	27	28	32
TUBING	5 FT	6	7	8	8	9	10	12	13	14	16	-	-	-	-	-	-

NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE

2 TYPICAL PIPE HANGERS  
NO SCALE

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ELECTRIC HEATING COIL SCHEDULE									
ID	MANUFACTURER	MODEL NUMBER	STAGES	ELECTRICAL		PHYSICAL		NOTES	
				KW	VOLTPHMHZ	WIDTH (IN)	HEIGHT (IN)		
EC-02	TUTCO DHC	DHC	2	2	208 / 3 / 60	53.5	7.06	1, 2, 3, 4, 5, 6, 7, 8	

- INCLUDE ON-24 RELAY KIT TO CONTROL DUCT HEATERS AS SECOND STAGE TO THE VRF FAN COILS.
- INCLUDE FAN INTERLOCK WITH AUTOMATIC LIMIT SWITCH FOR PRIMARY OVER TEMPERATURE PROTECTION.
- INCLUDE MANUAL RESET LIMIT SWITCH FOR SECONDARY OVER TEMPERATURE PROTECTION.
- ALL CONTROL BOXES TO BE INSTALLED ON RIGHT HAND TO UTILIZE SAME ACCESS AS FAN COIL UNIT.
- INCLUDE AIR FLOW SWITCH TO PREVENT HEATER FROM BEING ENERGIZED WHEN FAN IS NOT ON.
- BASIS OF DESIGN AIR TEMPERATURE RISE IS 20 DEG F.
- COORDINATE LOCATIONS WITH ELECTRICAL.
- MAINTAIN CLEARANCE IN FRONT OF THE HEATER ELECTRICAL PANELS TO COMPLY WITH THE NATIONAL ELECTRIC CODE.

VRF INDOOR UNIT SCHEDULE																				
IDENTIFICATION	MANUFACTURER	MODEL NUMBER	AIRFLOW (CFM)	MAX STATIC PRESSURE (IN. WATER)	COOLING CAPACITY				HEATING CAPACITY				COIL	ELECTRICAL				PHYSICAL		NOTES
					NOMINAL LOAD (BTU/H)	RATED TOTAL LOAD (BTU/H)	RATED SENSIBLE LOAD (BTU/H)	DESIGN ENT AIR TEMP (°F)	NOMINAL LOAD (BTU/H)	RATED TOTAL LOAD (BTU/H)	DESIGN ENT AIR TEMP (°F)	REFRIG. TYPE		MINIMUM CIRCUIT AMPACITY (MCA)	TOTAL (MOCP)	VOLTS/ PHASE	DEPTH / LENGTH / HEIGHT (IN)	WEIGHT (LBS)		
FC-06	TRANE MITSUBISHI	TPEFY006M143A	300	0.6	6,000	4,689	4,689	80 / 67	6,700	3,277	70	R-410A	1.05	15	208 / 1	30 / 30 / 10	50	1, 2		
FC-08	TRANE MITSUBISHI	TPEFY008M143A	300	0.6	8,000	6,253	5,796	80 / 67	9,000	6,929	70	R-410A	1.05	15	208 / 1	30 / 30 / 10	50	1, 2		
FC-12	TRANE MITSUBISHI	TPEFY012M143A	400	0.6	12,000	9,377	7,300	80 / 67	13,500	6,604	70	R-410A	1.20	15	208 / 1	30 / 30 / 10	50	1, 2		
WU-08	TRANE MITSUBISHI	TPKFPY08HM142A	413	-	8,000	6,253	6,167	80 / 67	9,000	6,929	70	R-410A	0.38	15	208 / 1	10 / 40 / 15	30	1		
WU-12	TRANE MITSUBISHI	TPKFPY12HM142A	413	-	12,000	9,377	7,806	80 / 67	13,500	6,604	70	R-410A	0.38	15	208 / 1	10 / 40 / 15	30	1		

- COORDINATE WITH ELECTRICAL TO PROVIDE FUSED DISCONNECT, TO BE INSTALLED BY DIVISION 26.
- PROVIDE SPARE FILTERS.

VRF BRANCH CONTROLLER SCHEDULE									
ID	MANUFACTURER AND MODEL NUMBER	TYPE (MAIN/SUB)	REFRIGERANT	NUMBER OF PORTS	ELECTRICAL		NOTES		
					MINIMUM CIRCUIT AMPACITY (MCA)	VOLTS/ PHASE			
BC-8	MITSUBISHI TCMBM0108JA11N4	MAIN	R-410A	8	1.65	208 / 1	1, 2, 3		

- PROVIDE WITH DIAMONDBACK BALL VALVES, BV-SERIES, FULL-PORT, R410A RATED.
- PROVIDE WITH MINI-ORANGE 230, 0.11A, 16 W, 60 HZ, 0.5 GPM @ 8 FL. OF HEAD.
- PROVIDE WITH FUSED DISCONNECT, TO BE INSTALLED BY DIVISION 26.

VRF OUTDOOR UNIT SCHEDULE - AIR COOLED															
ID	MANUFACTURER	MODEL NUMBER	REFRIGERANT	TOTAL NOMINAL COOLING CAPACITY (BTU/H)	TOTAL NOMINAL HEATING CAPACITY (BTU/H)	SUMMER AMBIENT AIR TEMP. DBWB (°F)	WINTER AMBIENT AIR TEMP. DBWB (°F)	ELECTRICAL				MOTOR HP	HEIGHT / WIDTH / DEPTH (IN)	WEIGHT (LBS)	NOTES
								MINIMUM CIRCUIT AMPACITY (MCA)	MOCP	VOLTS/ PHASE	FILTERS				
CJ-096	TRANE MITSUBISHI	TURYH0963AN4AN	R-410A	96,000	108,000	88 / 67	-16	44	70	208 / 3	75 / 50 / 30	600	1, 2, 3, 4, 5		

- UNIT SHALL BE CAPABLE OF OPERATION DOWN TO -25°F.
- DUAL ELECTRICAL CONNECTION.
- PROVIDE WITH FUSED DISCONNECT, TO BE INSTALLED BY DIVISION 26.
- PROVIDE WITH SNOW HOODS AND HAIL GUARDS.
- PROVIDE WITH BASEPAN HEATER.

DEDICATED OUTSIDE AIR UNIT																
ID	MANUFACTURER	MODEL NO	OUTSIDE AIR FLOW RATE (CFM)	TOTAL STATIC PRESSURE DROP (IN. H2O)	HEATING			ELECTRICAL				MOTOR HP	FILTERS	PHYSICAL		NOTES
					ENTER LEAVING AIR TEMP. DB (DEG. F)	HEATING LOAD (MBH)	ELECTRIC HEATING COIL (KW)	MCA	MOCP	V/PH	LENGTH / WIDTH / HEIGHT (IN)			WEIGHT (LBS)		
DOAS-1	TRANE	BCHD036E1*1A104Z2110ABA	750	0.6	20 / 66.4	37.56	11	44	4.6	208/3	1	MERV 13	354020	220	1, 2, 3	

- PROVIDE WITH DISCONNECT, DISCONNECT INSTALLED BY DIVISION 26.
- FACTORY WIRED GFI OUTLET, REQUIRES SEPARATE 120V/1PH CONNECTION.
- INTERLOCK WITH OUTSIDE AIR ATC DAMPER.

SPLIT SYSTEM A/C UNITS																
ID	MANUFACTURER	MODEL NUMBER	COOLING CAPACITY (BTU)	LOCATION	CFM RANGE	DIMENSIONS W" x H" x D"	WEIGHT (LBS.)	AMPS (MCA)	FAN MOTOR FLA	VOLTS/PHHZ	EFFICIENCY		REFRIGERANT LINES			NOTES
											MINIMUM SEER @ ARI	REFRIGERANT	LIQUID	GAS		
ACI-012	MITSUBISHI	PKA-A12HA	12,000	INDOOR	530	34 x 34 x 12	46	1.0	0.36	208-230 / 1 / 60	27	R-410A	1/4	1/2	1, 2, 3, 4, 5, 6, 7	
ACO-012	MITSUBISHI	PLY-A12NH43		OUTDOOR	-	33 x 12 x 25	92	11	0.50							

- CONDENSING UNIT TO BE SIZED MATCHED TO INDOOR UNIT AND TO BE BY SAME MANUFACTURER AS INDOOR UNIT.
- PROVIDE FACTORY MOUNTED STAND FOR CONDENSING UNIT.
- PROVIDE FACTORY WIND BAFFLE AND LOW AMBIENT HEAD CONTROLLER TO ALLOW COOLING OPERATION DOWN TO 0 DEG. F. D.B.
- WIRELESS REMOTE CONTROLLER, PROVIDE WALL MOUNTED HOLDER.
- PROVIDE ACCESSORY CONDENSATE PUMP FOR INDOOR UNIT.
- INDOOR UNIT IS TO BE POWERED FROM OUTDOOR UNIT.
- PROVIDE WITH FUSED DISCONNECT, TO BE INSTALLED BY DIVISION 26.

FAN SCHEDULE									
ID	MANUFACTURER	MODEL NUMBER	TYPE	AIR		ELECTRICAL			NOTES
				MAXIMUM AIRFLOW RATE (CFM)	STATIC PRESSURE (IN. WATER)	MOTOR SIZE (HP)	MOTOR SPEED (RPM)	VOLTPHMHZ	
EF-1	COOK	90SQN15D	INLINE	250	0.50	1/6	1710	120/1	1, 2

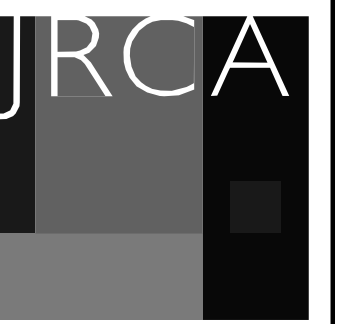
- CONTROL FAN WITH A LINE VOLTAGE THERMOSTAT. WIRING AND T-STAT BY ATC CONTRACTOR.
- PROVIDE WITH 0-10 VDC CONTACTS FOR REMOTE SPEED CONTROL.

ELECTRIC WALL HEATER							
SYMBOL	MANUFACTURER	MODEL NUMBER	AIR		ELECTRICAL		NOTES
			AIRFLOW RATE (CFM)	STATIC PRESSURE (IN. WATER)	KW	AMPS	
EW-1	MARLEY	CWRH150F	100	1.5	12.5	120/1	1

- PROVIDE WITH REMOTE MOUNTED SINGLE STAGE THERMOSTAT.

GRILLES, REGISTERS AND DIFFUSERS				
ID	MANUFACTURER	MODEL	MAX NC	DESCRIPTION
CD-1	EH PRICE	SPD	30	SQUARE PLAQUE FACE CEILING DIFFUSERS. REMOVABLE FACE. C.W.I.O.B.D. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE.
RG-1 EG-1	EH PRICE	PDDR	30	REMOVABLE FACE AND CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. UNITS SHALL HAVE 1/2" x 1/2" x 1/2" SQUARES. NECK SIZE SHALL BE 22X22 UNLESS NOTED OTHERWISE. PROVIDE WITH FILTER UNLESS NOTED OTHERWISE.
SWR-1	EH PRICE	535	30	SIDEWALL RETURN AIR GRILLE. HORIZONTAL STATIONARY 45 DEG DEFLECTION VANES SET ON 1/2 INCH CENTER. COMPLETE WITH OBD ADJUSTABLE THROUGH FACE.

NOTE: UNLESS NOTED OTHERWISE CD-1 TYPICAL SQUARE DIFFUSER; RG-1 TYPICAL RETURN AIR GRILLE; EG-1 TYPICAL EXHAUST GRILLE



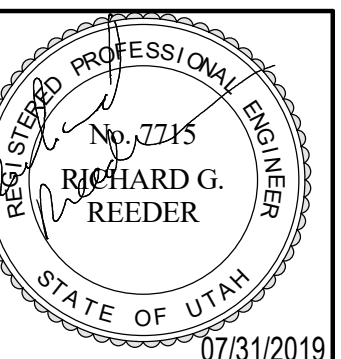
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INTERMOUNTAIN SNOWBASIN CLINIC  
3925 SNOW BASIN RD  
HUNTSVILLE, UTAH 84317

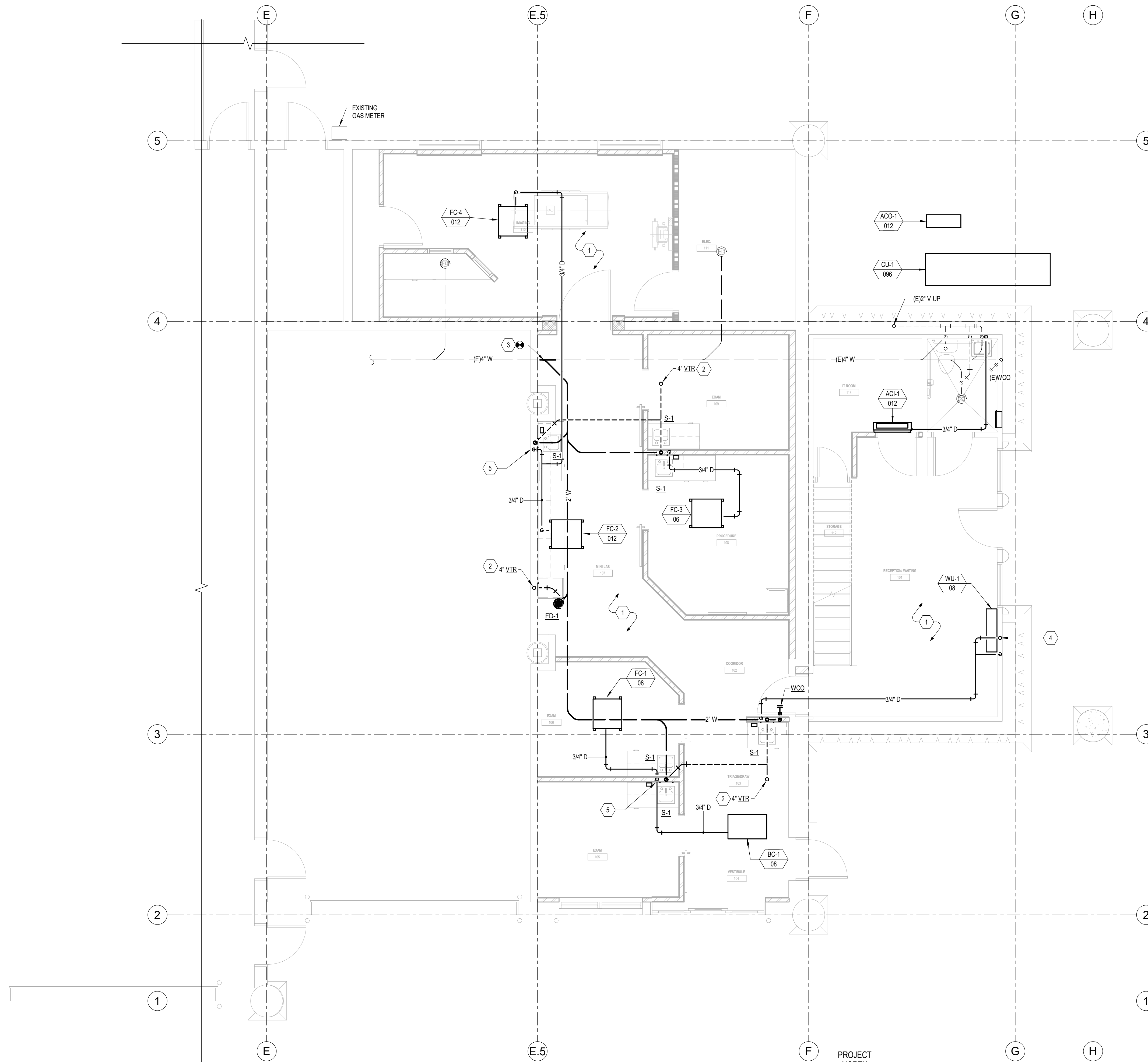
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MECHANICAL SCHEDULES

MH601



**1 MAIN LEVEL WASTE AND VENT PLUMBING PLAN**  
 SCALE: 1/4" = 1'-0"  
 PROJECT NORTH

**KEYED NOTES**

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCT SIZES, PIPE SIZES AND LOCATIONS PRIOR TO BEGINNING ANY WORK. IF ANY DISCREPANCIES, ERRORS, CONFLICTS OR CONCERNS ARE UNCOVERED BY THE CONTRACTORS THEY SHALL BRING THEM TO THE OWNER/ENGINEER'S ATTENTION PRIOR TO ANY WORK PROGRESSING FOR RESOLUTION.
2. ROUTE VTR THROUGH MEZZANINE LEVEL ABOVE. COORDINATE FINAL LOCATIONS WITH SNOWBASIN. LOCATE NO LESS THAN 25-FEET FROM ANY FRESH AIR INTAKE.
3. FIELD VERIFY EXISTING SANITARY BELOW FINISHED FLOOR PRIOR TO ROUTING NEW SANITARY. FIELD VERIFY NEW CONNECTION.
4. ROUTE 3/4" CONDENSATE FROM WU-2 ON WALL ABOVE WINDOW. DROP CONDENSATE THROUGH FLOOR SOUTH OF WINDOW. COMBINE WITH CONDENSATE FROM WU-1.
5. REFER TO PLUMBING DETAILS FOR CONDENSATE ROUTING. (TYPICAL)

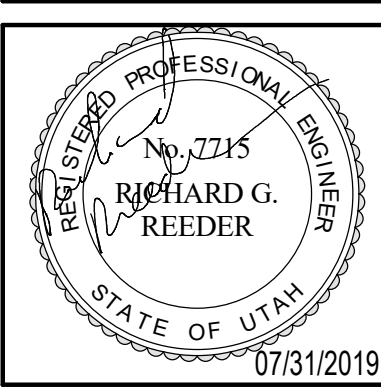
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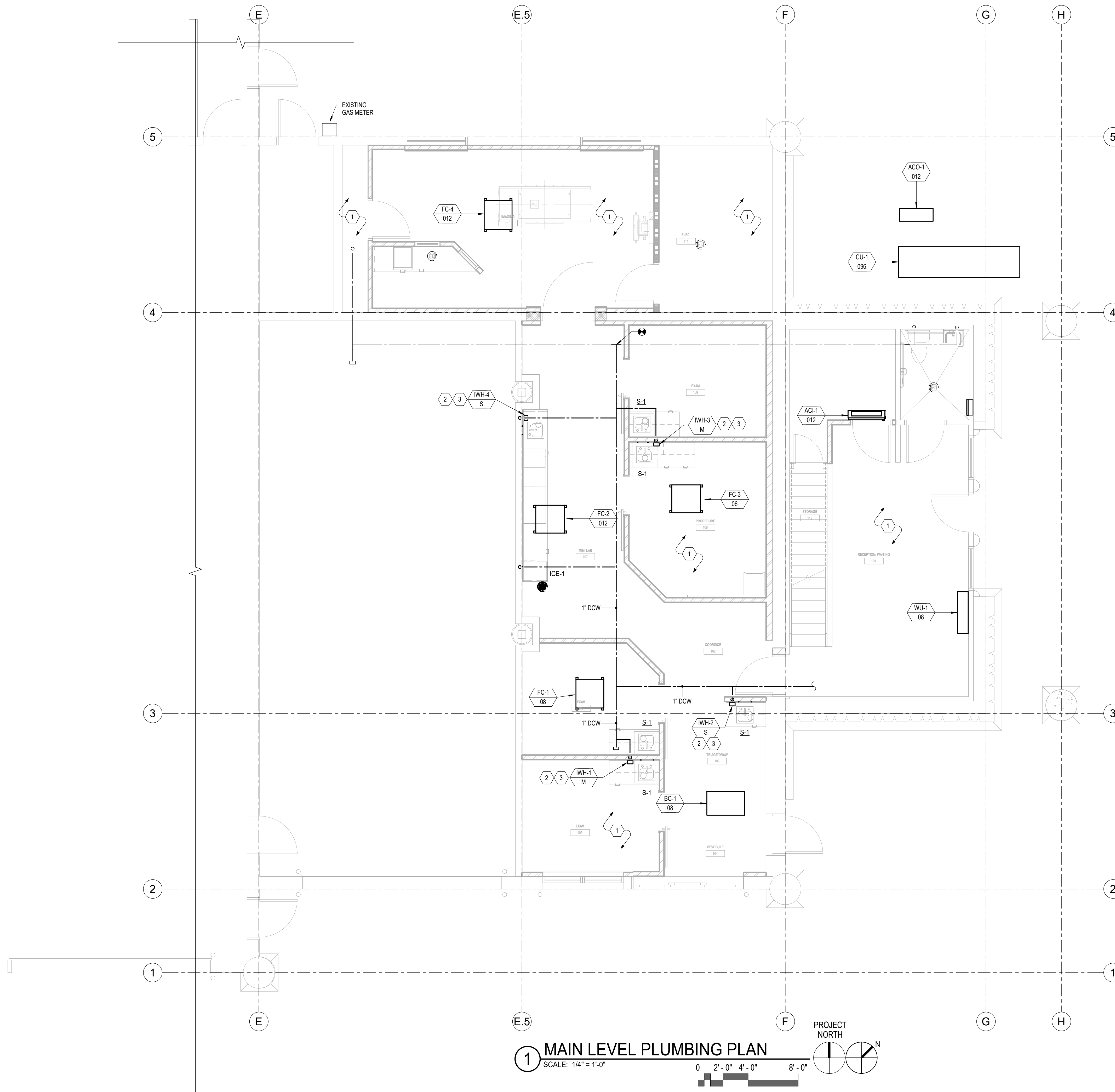
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**MAIN LEVEL WASTE AND VENT PLUMBING PLAN**

**PL100**



- ### KEYED NOTES
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCT SIZES, PIPE SIZES AND LOCATIONS PRIOR TO BEGINNING ANY WORK. IF ANY DISCREPANCIES, ERRORS, CONFLICTS OR CONCERNS ARE UNCOVERED BY THE CONTRACTORS THEY SHALL BRING THEM TO THE OWNER/ENGINEER'S ATTENTION PRIOR TO ANY WORK PROGRESSING FOR RESOLUTION.
  - ROUTE 3/4" DHW AS REQUIRED TO LAV(S).
  - ROUTE DCW AS REQUIRED TO LAV(S).

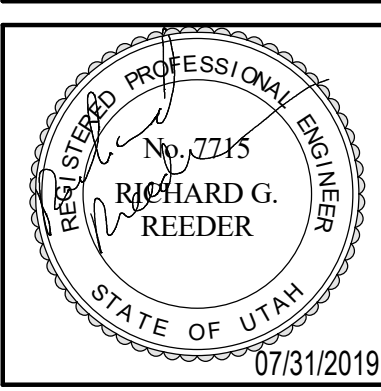
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**INTERMOUNTAIN SNOWBASIN CLINIC**  
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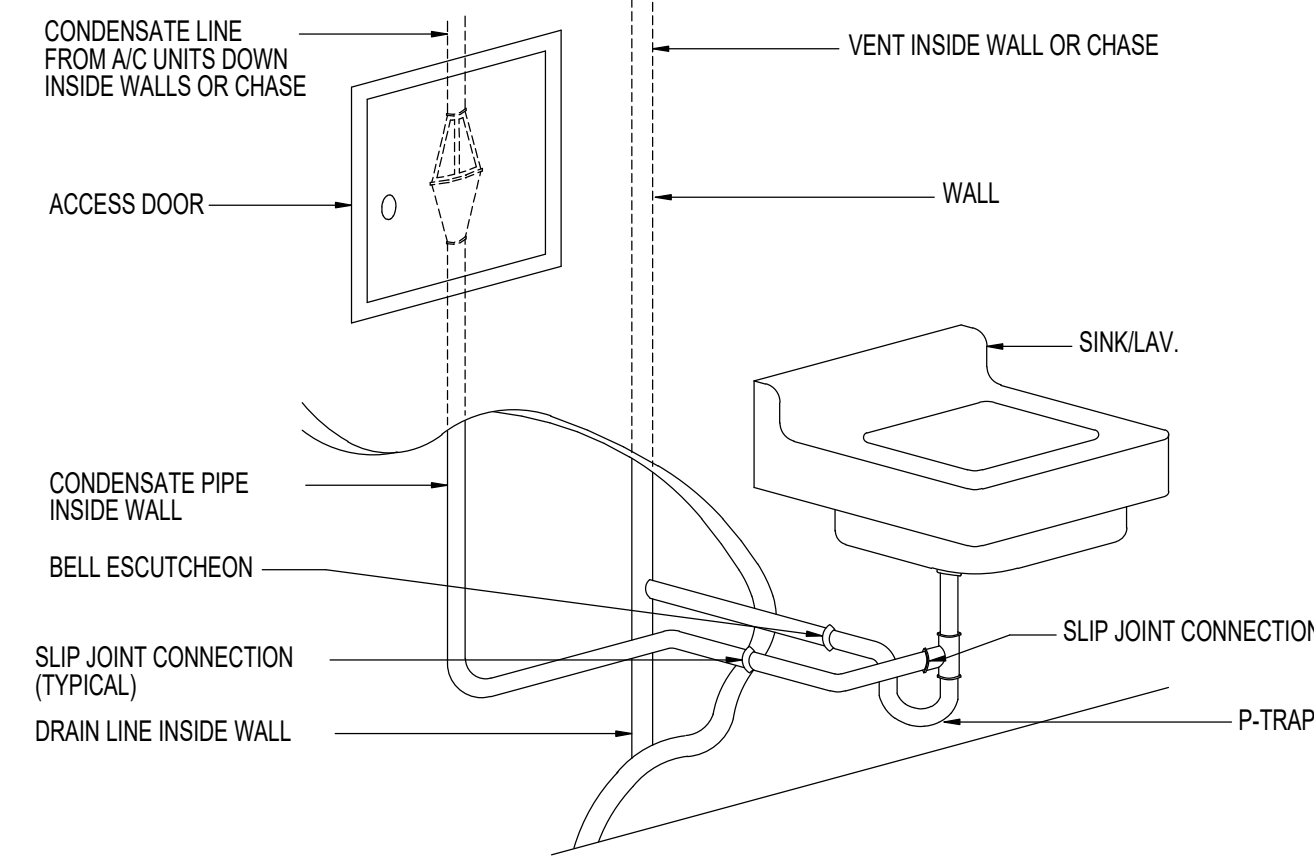


**MAIN LEVEL  
 PLUMBING  
 PLAN**

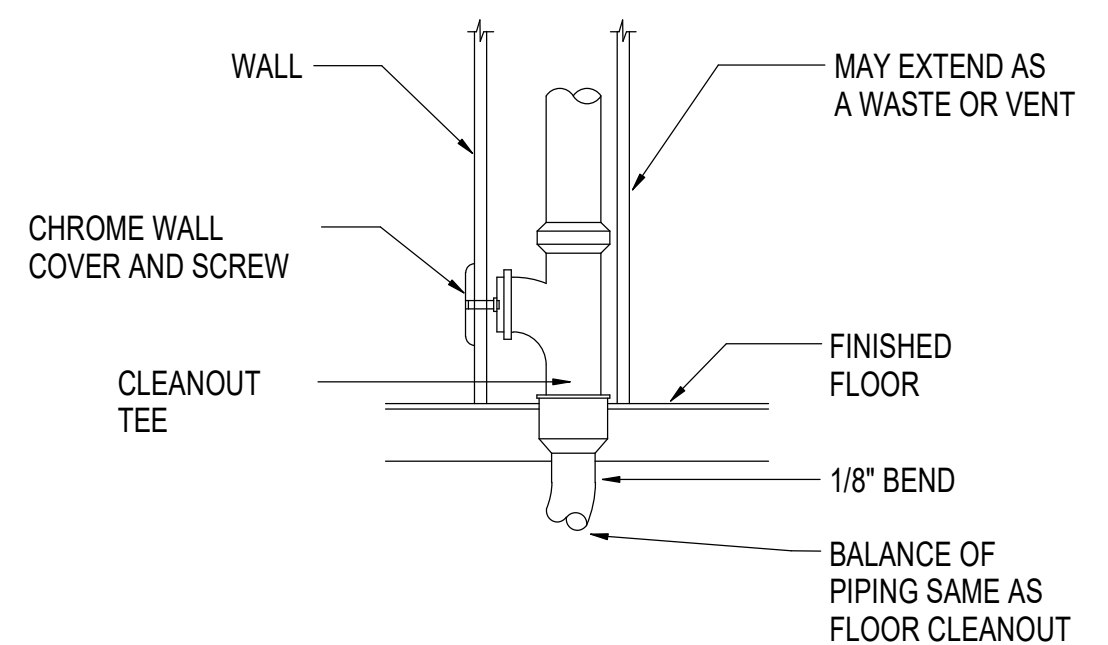
**PL101**

**1 MAIN LEVEL PLUMBING PLAN**  
 SCALE: 1/4" = 1'-0"  
 0 2'-0" 4'-0" 8'-0"  
 PROJECT NORTH

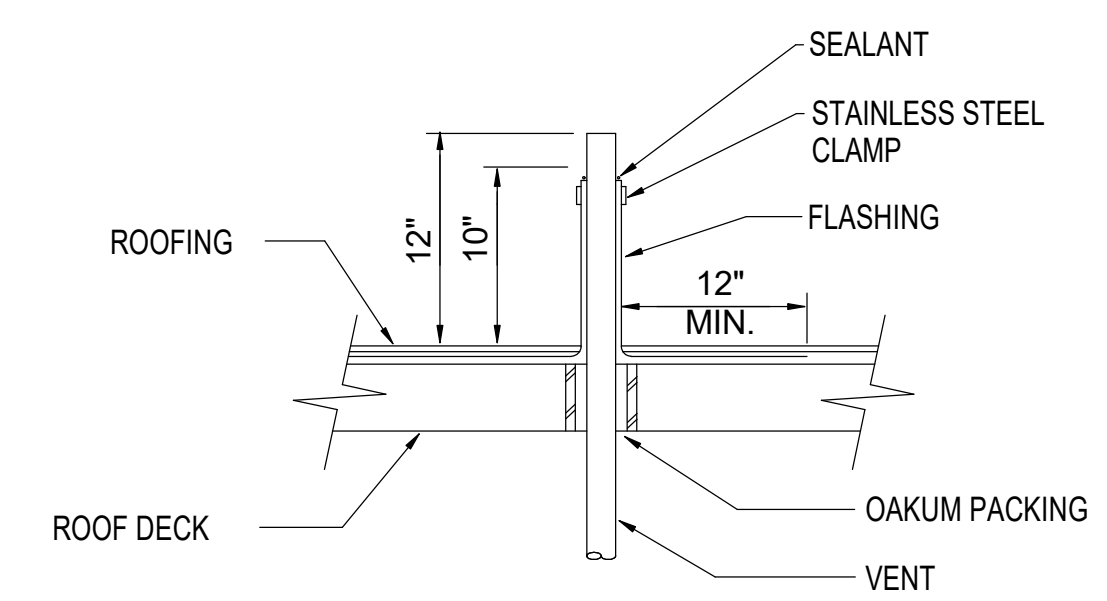




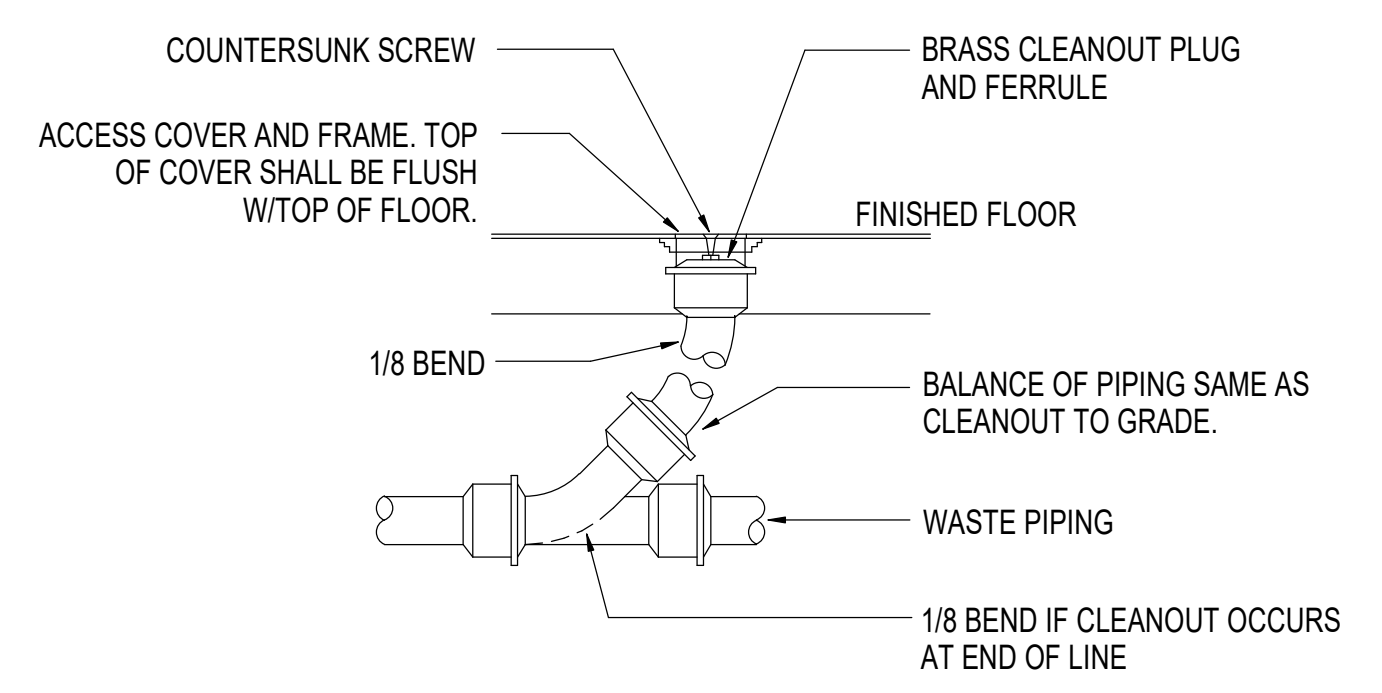
1 CONDENSATE CONNECTION TO LAV/SINK  
NO SCALE



2 WALL CLEANOUT DETAIL  
NO SCALE



3 VENT THRU ROOF FLASHING & SLEEVING DETAIL  
NO SCALE



4 FLOOR CLEANOUT DETAIL  
NO SCALE

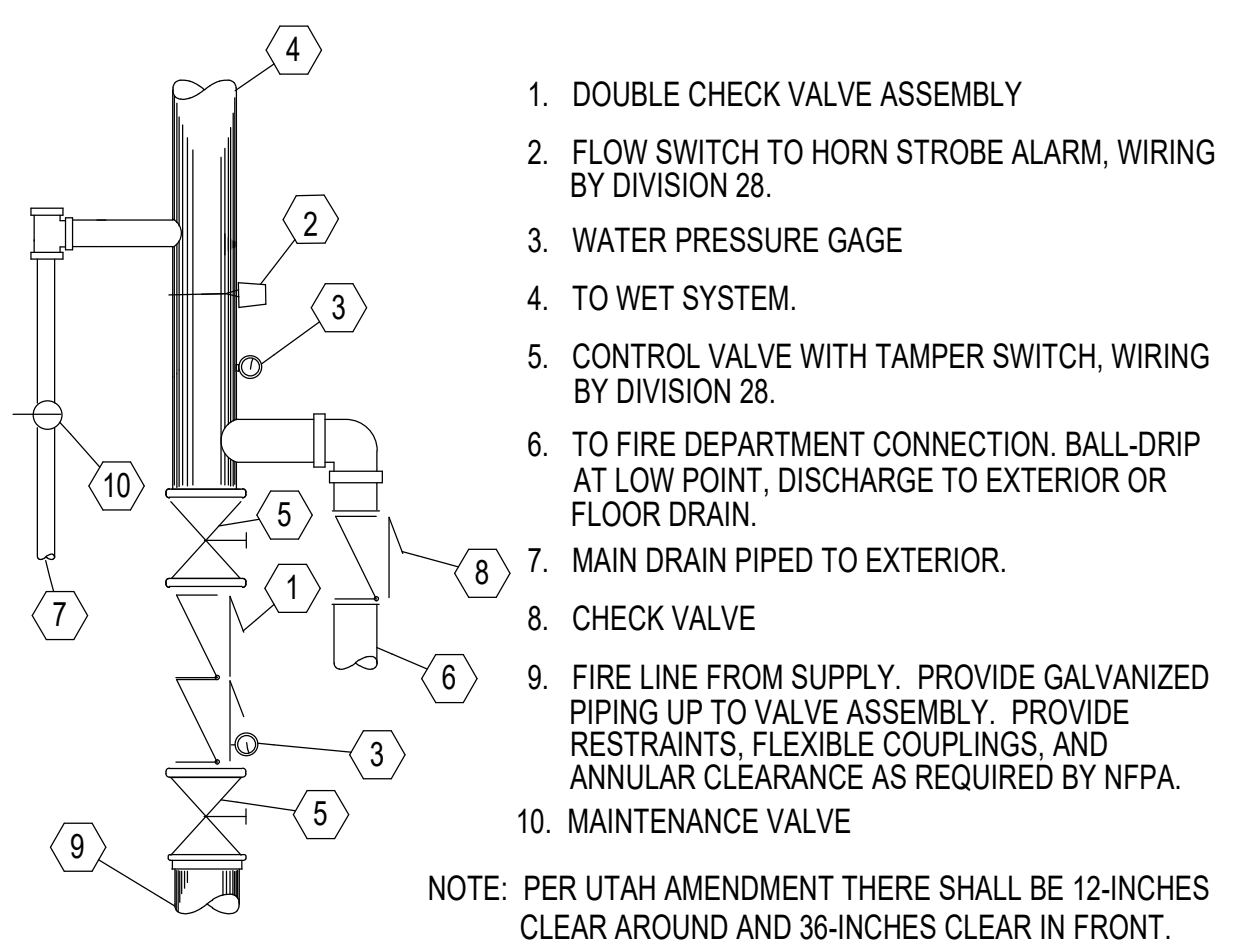
PLUMBING FIXTURE SCHEDULE						
ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	SPECIFICATION
S-1	SINGLE COMPARTMENT SINK, COUNTER MOUNTED	1/2	1/2	2	1 1/2	FIXTURE: ELKAY LRADD151756PD 12" X 12" X 5-1/2" I.D. COUNTER MOUNT 18 GA. STAINLESS STEEL SINK WITH 3 HOLES ON 4" CENTERS DRILLING. FAUCET: CHICAGO 895-GN24FCBOP FAUCET, WITH WRIST BLADE HANDLES, GN2FC RGRD/SWING GOOSENECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT. ACCESSORIES: PROVIDE WATTS NO. 7C DUAL CHECKS IN HOT AND COLD SUPPLIES. PROVIDE VANDAL RESISTANT AERATOR. PROVIDE LOOSE KEY ANGLE STOPS AND CHROME PLATED COPPER SUPPLIES AND 17 GA. CAST BRASS, CHROME PLATED P-TRAP. COVER ALL EXPOSED PIPING WITH WHITE "HAND-LAV GUARD" PROTECTOR TO MEET ADA REQUIREMENTS.
FD-1	FLOOR DRAIN	--	--	2	2	FIXTURE: SMITH 2005Y-P050 FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 8" ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED GRATE AND TRAP GUARD.
ICE-1	ICE MACHINE CONNECTION	3/4	--	2	2	FIXTURE: LSP 08-8010 PLASTIC ICEMAKER BOX WITH QUARTER TURN BALL VALVE WITH 1/4" OUTLET.

1. ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.

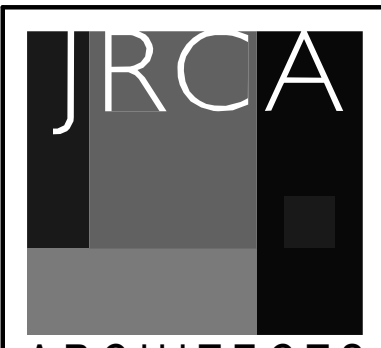
BRANCH WATER LINE SCHEDULE							
FIXTURE	FIXTURE UNITS	QUANTITY OF FIXTURES SERVED BY					
		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
WATER CLOSET (FLUSH VALVE)	10	--	--	1	3	5	15
WATER CLOSET (TANK TYPE)	3	1	2	4	10	--	--
URINAL	5	--	1	2	6	10	30
LAVATORY	2	1	3	6	15	25	--
SERVICE SINK	4	--	1	3	--	--	--
QUANTITY OF FIXTURE UNITS SERVED BY	--	3	6	12	30	50	150

NOTE: WHERE PIPING IS SIZED ON DRAWINGS IT SHALL BE FOLLOWED. OTHERWISE INSTALL ACCORDING TO TABLE. WHERE FIXTURES ON A BRANCH ARE MIXED. TAKE THE SUM OF FIXTURE UNITS TO DETERMINE SIZING. THE BRANCHES SHALL BE REDUCED AS THE LOAD IS TAKEN OFF. MINIMUM SIZE TO ONE (1) FIXTURE SHALL BE 1/2".

WATER HEATER SCHEDULE						
ID	MANUFACTURER	MODEL NUMBER	ELECTRICAL		HEIGHT/ WIDTH/ DEPTH (IN)	NOTES
			(KW)	VIPH		
IWH-M	EEMAX	SPEX3512T ML	3.5	120/1	10 / 6 / 3	-
IWH-S	EEMAX	SPEX3512T	3.5	120/1	10 / 6 / 3	-



5 FIRE SPRINKLER RISER DETAIL  
NO SCALE



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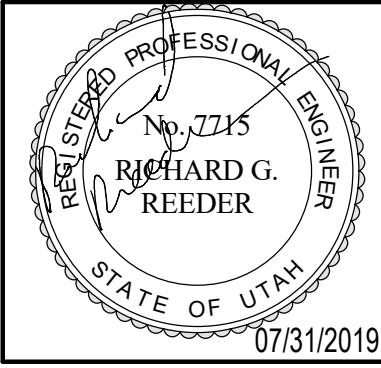
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PLUMBING  
DETAILS &  
SCHEDULES

PL501

ELECTRICAL SYMBOL SCHEDULE			
SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
	MECHANICAL PLUMBING EQUIPMENT CALLOUT		
	KITCHEN EQUIP. CALLOUT		
	KITCHEN EQUIP. CALLOUT, OR AS NOTED BY ARCH.		
	LUMINAIRE TYPE		
	DIAGRAM DETAIL CALLOUT		
	HOME RUN TO PANEL		
	CONDUIT STUB		
	CONDUIT BREAK/CONTINUATION		
	CONDUIT STUB DOWN		
	CONDUIT STUB UP		
	FUSE		
	GROUND/GROUND ROD		
	CIRCUIT BREAKER		

ABBREVIATIONS			
A	AMPS	ENT	ELEC. NON-METAL TUBING
AFC	AVAILABLE FAULT CURRENT	ER	EXISTING TO BE RELOCATED
AFF	ABOVE FINISHED	EX	EXISTING TO REMAIN
AFS	ABOVE FINISHED GRADE	FC	FLEXIBLE METAL CONDUIT
AC	AMPS INTERR.	GC	GENERAL CONTRACTOR
CAP	CAPACITY	GEC	GRND. ELEC. COND. AT SES
AWG	AMERICAN WIRE GAUGE	GFCI	GRND. FLT. CURR. INTERR.
BC	BARE COPPER	GND	GROUND
BFC	BELOW FINISHED	IBC	INTER. METAL CONDUIT
CEILING		IG	ISOLATED GROUND
BFG	BELOW FINISHED GRADE	KCMIL	1000 CIRCULAR MILS (MCM)
C	CONDUIT	LFNC	LIQUID-TIGHT FLEX. METAL COND.
CHD	CONDUIT ONLY	LFNC	LIQUID-TIGHT FLEX. NON-METAL COND. OTHERWISE
CT	CURRENT TRANSFORMER	MC	MECHANICAL CONTRACTOR
CJ	COPPER MATERIAL	MCA	MINIMUM CIRCUIT AMPS
DED	DEDICATED	N1	NEMA 1
DFA	DROP FROM ABOVE	NOR	NEMA 3R
EC	ELECTRICAL CONTRACTOR	N	NEW
EF	EXHAUST FAN	XP	EXPLOSION PROOF
EM	EMER. EGRESS	XR	EXISTING TO BE REMOVED
BATTERY	ELEC. METALLIC TUBING	NL	NIGHT LIGHT, BYPASS LOCAL SWITCHING
		PC	PLUMBING CONTRACTOR
		POC	POINT OF CONNECTION
		POS	POINT OF SALE
		R	RECEIVER
		RM	ROOM MOUNTED
		RMC	RIGID METALLIC CONDUIT
		RND.	RIGID NON-METALLIC CONDUIT
		SBJ	SYSTEM BONDING JUMPER
		SCA	SHORT CIRCUIT AMPERES
		T	TRANSFORMER
		TC	TEMP. CONTROL CONTR.
		UG	UNDERGROUND
		UNO	UNLESS NOTED OTHERWISE
		VA	VOLTTAMPS
		VP	VERIFY IN FIELD
		WF	WEATHERPROOF/NEMA
		3R	
		XP	
		XR	

NOTES	
(1)	SEE LUMINAIRE SCHEDULE FOR FIXTURE TYPES AND DETAILS.
(2)	SEE LUMINAIRE SCHEDULE FOR MOUNTING REQUIREMENTS.
(3)	WIRE LIGHT FIXTURE FROM ADJACENT J-BOX
(4)	CONNECT NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGENCY BALLAST
(5)	DIRECTIONAL ARROWS INDICATE REQUIRED CHEVRONS.
(6)	COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL INTERIOR ELEVATIONS
(7)	USE WITH POWER PACK.
(8)	"X" IN SYMBOL IS INCHES BETWEEN RECEPTACLE ALONG WIREWAY. SEE DRAWINGS.
(9)	PROVIDE UL LISTED DEVICES COMPATIBLE WITH THE FIRE ALARM PANEL SYSTEM.
(10)	MATCH THE VOLTAGE OF THE RELAY WITH THAT OF THE CONTROLLING CIRCUIT.
(11)	USE A 4" X 4" BOX WITH A MUD RING TO MATCH THE DEVICE AND INSTALLATION.
(12)	PROVIDE MUD RING AND/OR BOX COVER APPROPRIATE FOR DEVICE/FIXTURE SERVED.
(13)	USE HEAVY DUTY DEVICE FOR 480 VOLT.
(14)	SIZE TO THE EQUIPMENT BEING CONTROLLED
(15)	FIRE ALARM PANELS: FACP: FIRE ALARM CONTROL PANEL, NAC: NOTIFICATION APPLIANCE CIRCUIT PANEL, ANUN: GRAPHIC ANNUNCIATOR PANEL, AND SES: SMOKE EVACUATION SYSTEM PANEL
(16)	LIGHT FIXTURES ARE SCALED WITHIN THE DRAWINGS BASED ON ACTUAL DIMENSIONS.
(17)	NOT ALL SYMBOLS ARE USED.

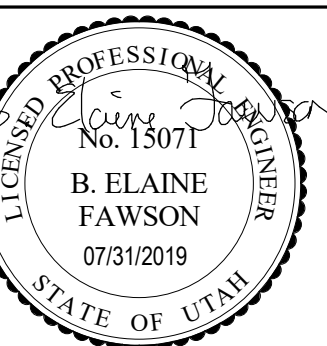
ELECTRICAL SYMBOL SCHEDULE			
SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
	TELEPHONE OUTLET, SINGLE PORT	18"	
	TELEPHONE OUTLET, CUSTOM HEIGHT	(6)	
	DATA OUTLET, DUAL PORT	18"	
	DATA OUTLET, CUSTOM HEIGHT	(6)	
	DUAL DATA AND SINGLE TELEPHONE PORT, CUSTOM HEIGHT	18"	
	DUAL DATA AND SINGLE TELEPHONE PORT, CUSTOM HEIGHT	(6)	
	DATA OUTLET, ATTRIBUTE SIGNIFIES PORT QUANTITY	18"	
	TELEPHONE OUTLET, SINGLE PORT, FLOOR MOUNTED	FLOOR	
	DATA OUTLET, DUAL PORT, FLOOR MOUNTED	FLOOR	
	TELEVISION OUTLET	AS NOTED	(6) (11)
	NURSE CALL STATION, SINGLE BED	4'-11"	(11)
	NURSE CALL STATION, DOUBLE BED	4'-11"	(11)
	NURSE CALL STATION, EMERGENCY	4'-11"	(11)
	NURSE CALL STATION, CODE BLUE	4'-11"	(11)
	NURSE CALL STATION, MICROPHONE/SPEAKER UNIT	4'-11"	(11)
	NURSE CALL PULL CHAIN	AS NOTED	
	NURSE CALL DOME LIGHT	CEILING	(11)
	NURSE CALL DOME LIGHT, WALL	WALL	(11)
	SPEAKER	CEILING	
	SPEAKER, WALL	AS NOTED	(11)
	VOLUME CONTROL, WALL	4'-0"	(11)
	MICROPHONE, WALL	AS NOTED	(11)
	MICROPHONE, FLOOR	FLOOR	(11)
	BELL, WALL	AS NOTED	
	CHIME, WALL	AS NOTED	
	DOORBELL, VISUAL INDICATOR	7'-6"	(9) (11)
	SECURITY CAMERA, FIXED	CEILING	
	SECURITY CAMERA, PTZ	CEILING	
	SECURITY CAMERA, FIXED, WALL	AS NOTED	(11)
	SECURITY CAMERA, PTZ, WALL	AS NOTED	(11)
	CARD READER	4'-0"	(11)
	DOOR CONTACT	DOOR	(9) (11)
	KEYPAD	+48"	(9) (11)
	MOTION SENSOR - CEILING	CEILING	(9) (11)
	MAIN DISTRIBUTION FRAME	6'-6" TO TOP	
	INTERMEDIATE DISTRIBUTION FRAME	6'-6" TO TOP	
	MAIN TELEPHONE BOARD	6'-6" TO TOP	
	SECURITY PANEL, SURFACE	AS NOTED	
	SECURITY PANEL, RECESSED	AS NOTED	
	SMOKE DETECTOR	CEILING	(9) (11)
	DUCT SMOKE DETECTOR	SEE MECH.	(9)
	FIRE/SMOKE DAMPER	SEE MECH.	
	HEAT DETECTOR	CEILING	(9) (11)
	BEAM DETECTOR, RECEIVER	(9)	
	BEAM DETECTOR, TRANSMITTER	(9)	
	BEAM DETECTOR, RECEIVER/TRANSMITTER	(9)	
	BEAM DETECTOR, REFLECTOR	(9)	
	FLAME DETECTOR	(9)	
	FIRE FIGHTER TELEPHONE OUTLET	(9) (11)	
	FIRE ALARM MANUAL PULL STATION	4'-0"	(9) (11)
	FIRE ALARM STROBE, ATTRIBUTE SIGNIFIES CANDELA RATING	7'-6"	(9) (11)
	FIRE ALARM HORN	7'-6"	(9) (11)
	FIRE ALARM HORN STROBE, ATTRIBUTE SIGNIFIES CANDELA RATING	7'-6"	(9) (11)
	FIRE ALARM SPEAKER	7'-6"	(9) (11) (18)
	FIRE ALARM SPEAKER STROBE, ATTRIBUTE SIGNIFIES CANDELA RATING	7'-6"	(9) (11) (18)
	FIRE SPRINKLER FLOW BELL	7'-6" AFF	(9)
	FIRE ALARM CHIME	AS NOTED	(9)
	LOW FREQUENCY HORN	7'-6"	(9) (11)
	LOW FREQUENCY HORN STROBE	7'-6"	(9) (11)
	ELECTRO MAGNETIC DOOR HOLDER	AS NOTED	
	RELAY MODULE	(9)	
	MONITOR MODULE	(9)	
	CONTROL MODULE	(9)	
	PRESSURE SWITCH	(9)	
	TAMPER SWITCH	(9)	
	FLOW SWITCH	(9)	
	LOOP ISOLATION MODULE	(9)	
	FIRE EXTINGUISHER MONITOR	(9)	
	FIRE RISER	SEE PLANS	
	FIRE ALARM PANEL, SURFACE	AS NOTED	(15)
	FIRE ALARM PANEL, RECESSED	AS NOTED	(15)

ELECTRICAL SYMBOL SCHEDULE			
SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
	STANDARD CONVENIENCE OUTLET	18"	
	CONVENIENCE OUTLET, GFCI	18"	
	STANDARD CONVENIENCE OUTLET, EMERGENCY	18"	
	STANDARD CONVENIENCE OUTLET, SWITCHED	18"	
	STANDARD CONVENIENCE OUTLET, CUSTOM HEIGHT		
	CONVENIENCE OUTLET, GFCI, CUSTOM HEIGHT		
	CONVENIENCE OUTLET, ISOLATED GROUND	18"	
	CONVENIENCE OUTLET, FLOOR	FLOOR	
	CONVENIENCE OUTLET, CEILING	CEILING	
	2 CIRCUITS TO EACH DEVICE	18"	
	COMBINATION POWER/COMMUNICATION FLOOR BOX	FLOOR	
	SPECIAL PURPOSE OUTLET		
	DIRECT CONNECTION TO EQUIPMENT		
	CORD DROP OUTLET	SUSPENDED	
	POWER/VOICE-DATA SERVICE POLE	AS NOTED	
	DISTRIBUTION JUNCTION UNIT		
	VARIABLE FREQUENCY DRIVE		
	TRANSIENT VOLTAGE SURGE SUPPRESSION		
	JUNCTION BOX	AS NOTED	(12)
	JUNCTION BOX, WALL	AS NOTED	(12)
	JUNCTION BOX, FLOOR	FLOOR	(12)
	CLOCK OUTLET		(7)
	MANUAL MOTOR CONTROLLER SWITCH WITHOUT TERMINAL OVERLOAD PROTECTION		
	SWITCH WITH PILOT LIGHT		
	MANUAL SWITCH WITH THERMAL OVERLOAD		
	SINGLE POLE DOOR SWITCH		
	PUSH BUTTON SWITCH, SINGLE	AS NOTED	
	PUSH BUTTON SWITCH, DOUBLE	AS NOTED	
	PUSH BUTTON SWITCH, TRIPLE	AS NOTED	
	EMERGENCY POWER OFF (EPO) SWITCH		
	NON-FUSED DISCONNECT SWITCH		(13) (14)
	FUSED DISCONNECT SWITCH		(13) (14)
	MAGNETIC STARTER		(13) (14)
	MAGNETIC STARTER WITH FUSED DISCONNECT		(13) (14)
	MAGNETIC STARTER WITH BREAKER DISCONNECT		(13) (14)
	POWER RELAY		(13) (14)
	MOTOR OUTLET		
	MOTOR OUTLET, ROOF MOUNTED	ROOF	
	LIGHTNING PROTECTION AIR TERMINAL	ROOF	
	LIGHTNING PROTECTION BOND PLATE		
	LIGHTNING PROTECTION GROUND ROD	GROUND	
	POKETHRU		
	UTILITY POWER POLE	SEE PLANS	
	TRANSFORMER	SEE PLANS	
	EMERGENCY GENERATOR	SEE PLANS	
	CABLE TRAY		
	MAIN DISTRIBUTION POWER PANEL		
	PANEL BOARD, SURFACE	6'-6" TO TOP	(15)
	PANEL BOARD, RECESSED	6'-6" TO TOP	(15)

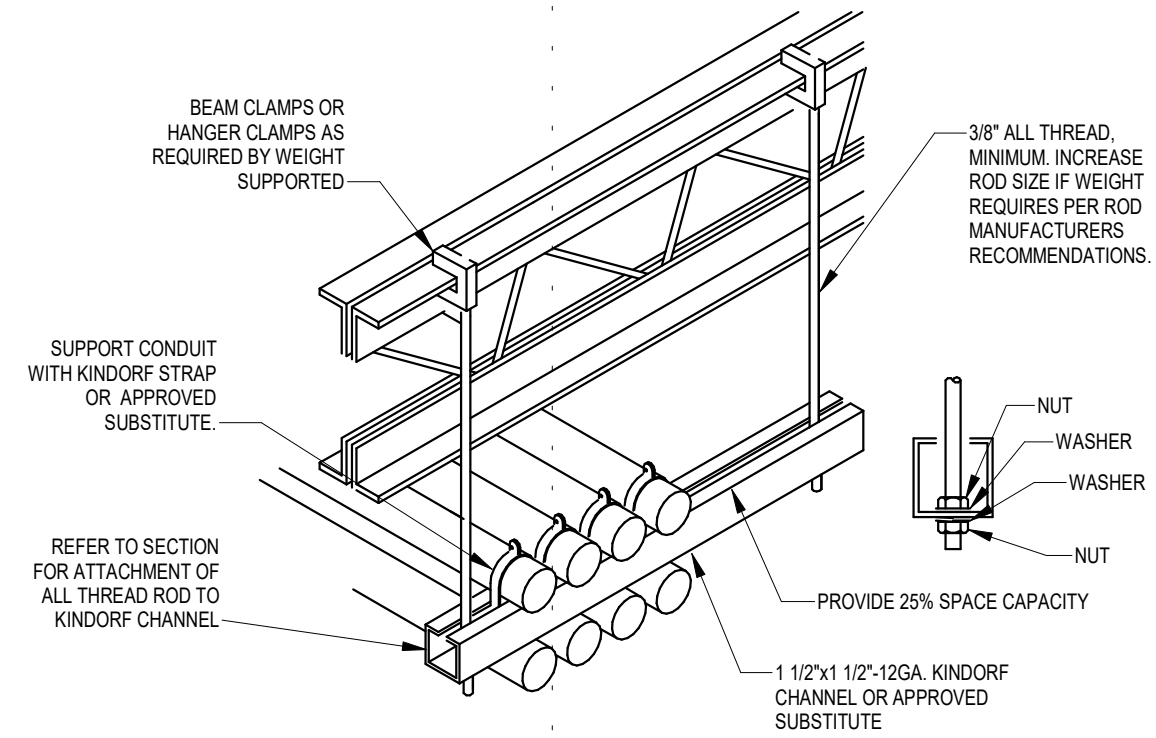
ELECTRICAL SYMBOL SCHEDULE			
SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
	LINEAR LIGHT FIXTURE	CEILING	(1) (2) (3) (16)
	LINEAR EMERGENCY LIGHT FIXTURE	CEILING	(1) (2) (3) (16)
	LINEAR CRITICAL LIFE LIGHT FIXTURE	CEILING	(1) (2) (3) (4) (16)
	LINEAR LIFE SAFETY LIGHT FIXTURE	CEILING	(1) (2) (3) (4) (16)
	RECESSED LIGHT FIXTURE	CEILING	(1) (2)
	RECESSED EMERGENCY LIGHT FIXTURE	CEILING	(1) (2)
	RECESSED WALL WASH LIGHT FIXTURE	CEILING	(1) (2)
	CEILING LIGHT FIXTURE	CEILING	(1) (2)
	PENDANT LIGHT EMERGENCY	CEILING	(1) (2)
	PENDANT CHANDELIER LIGHT FIXTURE	SUSPENDED	(1) (2) (3)
	WALL LIGHT FIXTURE, SURFACE	AS NOTED	(1) (2)
	WALL LIGHT FIXTURE, RECESSED	AS NOTED	(1) (2)
	TRACK LIGHT FIXTURE WITH TRACK	CEILING	(1) (2) (3)
	CEILING FAN	SUSPENDED	
	FLOOD/LANDSCAPE/MINIMOUNT LIGHT FIXTURE	GROUND	(1) (2) (3)
	AREA LIGHT FIXTURE	POLE	(1) (2)
	EXIT SIGN, WALL	7'-6"	(1) (2) (4) (5)
	EXIT SIGN	CEILING	(1) (4) (5)
	EMERGENCY LIGHT FIXTURE, WALL	7'-6"	(1) (2)
	PHOTO-ELECTRIC CELL	AS NOTED	
	POWER PACK	CEILING	
	SLAVE PACK	CEILING	
	MIN POWER PACK	CEILING	
	DUAL TECHNOLOGY VACANCY SENSOR	CEILING	(7)
	DUAL TECHNOLOGY VAC. SENSOR, WALL	AS NOTED	(7)
	DUAL TECHNOLOGY VAC. SENSOR SWITCH, 1-BUTTON	4'-0"	(7)
	DUAL TECHNOLOGY VAC. SENSOR SWITCH, 2-BUTTON	4'-0"	(7)
	DAYLIGHT SENSOR	CEILING	
	MOTION SENSOR	AS NOTED	
	PASSIVE INFRARED SENSOR	CEILING	
	SINGLE POLE SWITCH	4'-0"	
	DOUBLE POLE, SINGLE THROW SWITCH	4'-0"	
	THREE WAY SWITCH	4'-0"	
	THREE WAY SWITCH ATTRIBUTE SIGNIFIES FIXTURE SWITCHING	4'-0"	
	FOUR WAY SWITCH	4'-0"	
	DIMMER SWITCH	4'-0"	
	LOW VOLTAGE SWITCH	4'-0"	
	KEYED SWITCH, SINGLE POLE	4'-0"	(15)
	7-DAY TIMER SWITCH, SINGLE POLE	4'-0"	(15)
	TIME CLOCK	AS NOTED	
	LIGHTING CONTROL PANEL, SURFACE	6'-6" TO TOP	
	LIGHTING CONTROL PANEL, RECESSED	6'-6" TO TOP	

ELECTRICAL SYMBOL SCHEDULE			
SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
	LINEAR LIGHT FIXTURE	CEILING	(1) (2) (3) (16)
	LINEAR EMERGENCY LIGHT FIXTURE	CEILING	(1) (2) (3) (16)
	LINEAR CRITICAL LIFE LIGHT FIXTURE	CEILING	(1) (2) (3) (4) (16)
	LINEAR LIFE SAFETY LIGHT FIXTURE	CEILING	(1) (2) (3) (4) (16)
	RECESSED LIGHT FIXTURE	CEILING	(1) (2)
	RECESSED EMERGENCY LIGHT FIXTURE	CEILING	(1) (2)
	CEILING LIGHT FIXTURE	CEILING	(1) (2)
	PENDANT LIGHT EMERGENCY	CEILING	(1) (2)
	PENDANT CHANDELIER LIGHT FIXTURE	SUSPENDED	(1) (2) (3)
	WALL LIGHT FIXTURE, SURFACE	AS NOTED	(1) (2)
	WALL LIGHT FIXTURE, RECESSED	AS NOTED	(1) (2)
	TRACK LIGHT FIXTURE WITH TRACK		

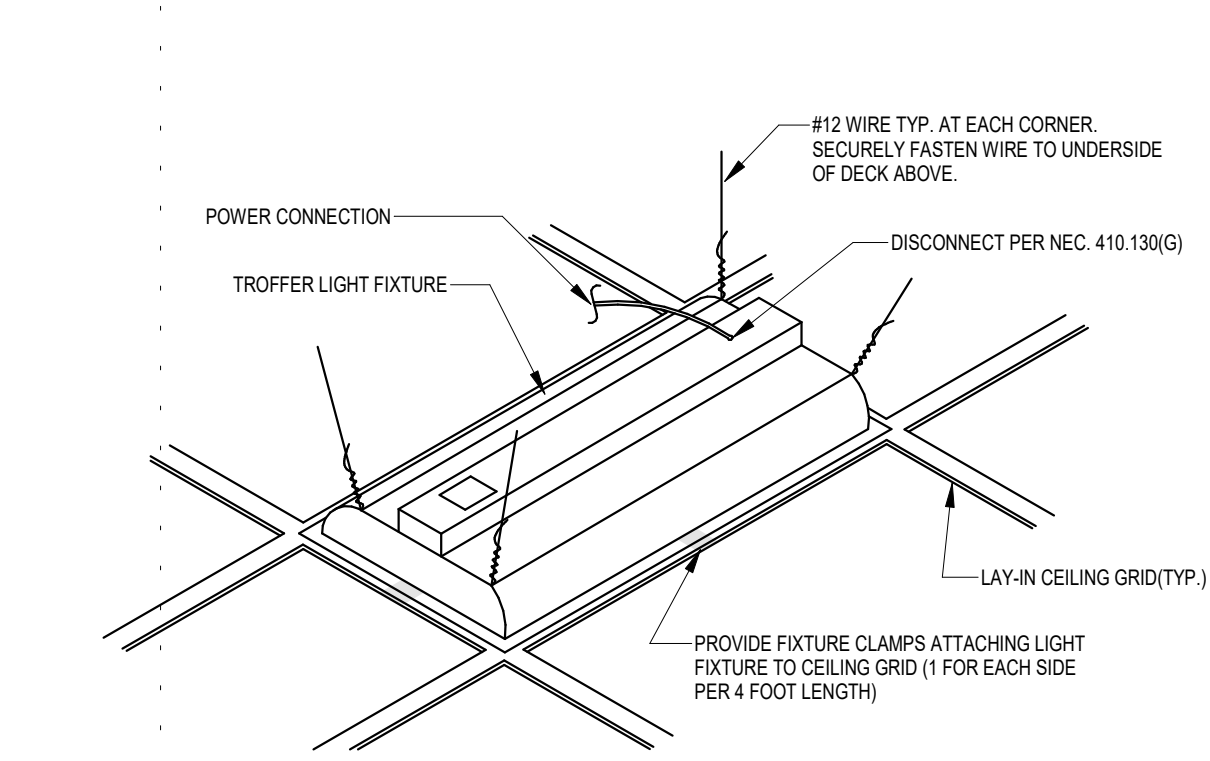
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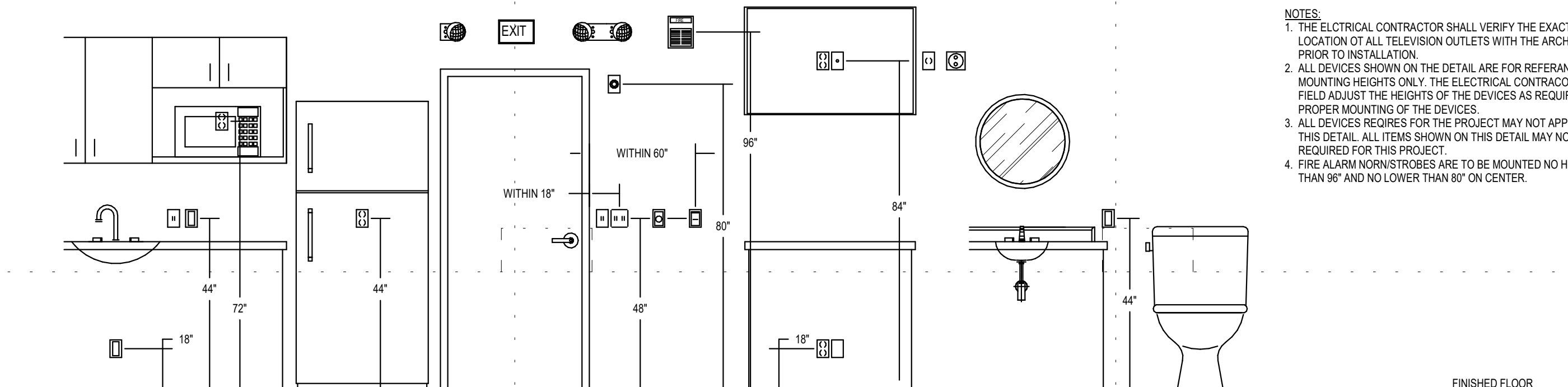
6 TRAPEZE SUPPORT DETAIL  
EE501 NO SCALE



7 RECESSED FIXTURE MOUNTING DIAGRAM  
EE501 NO SCALE

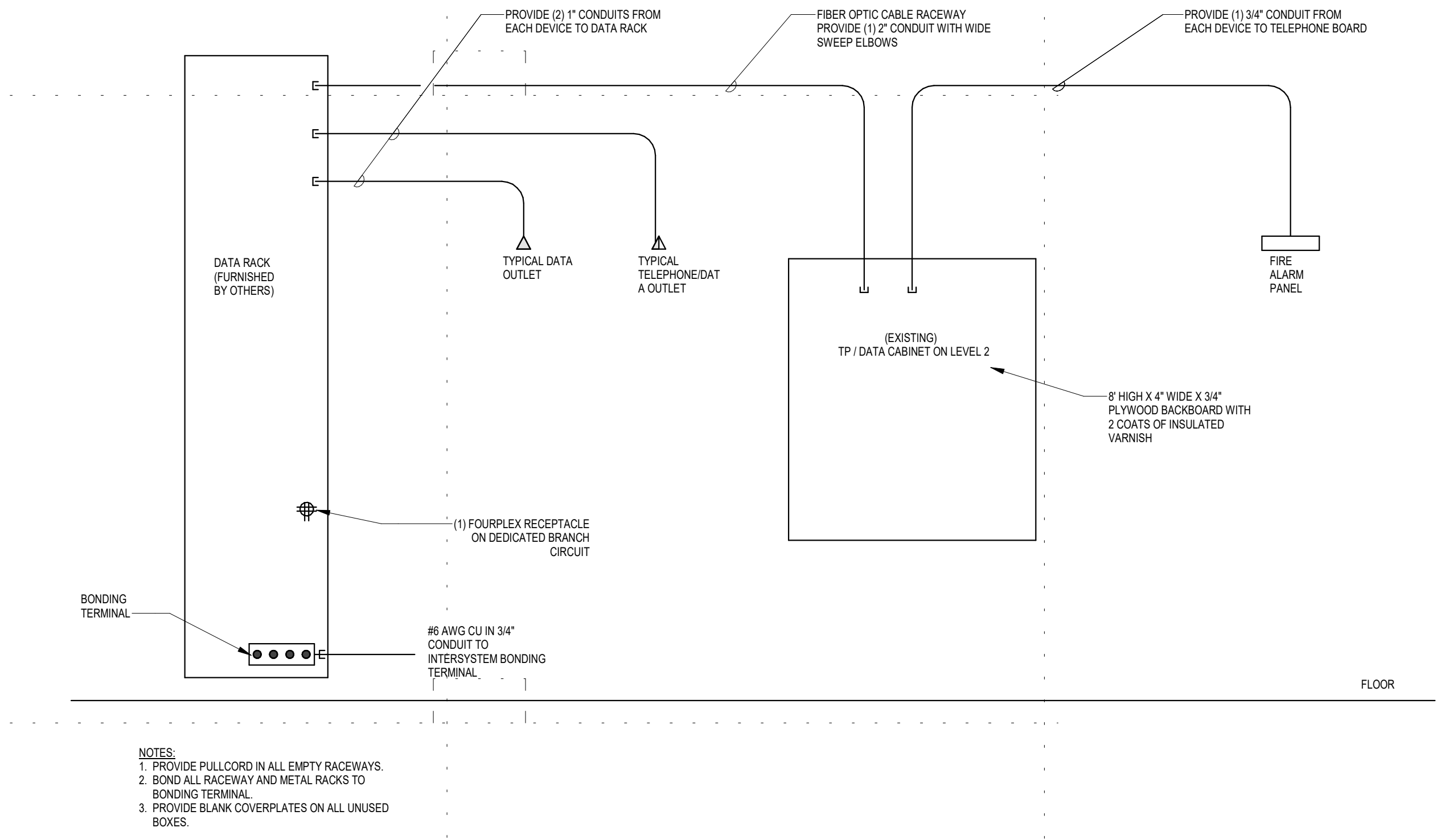


1 MOUNTING HEIGHT DETAIL  
EE501 NO SCALE



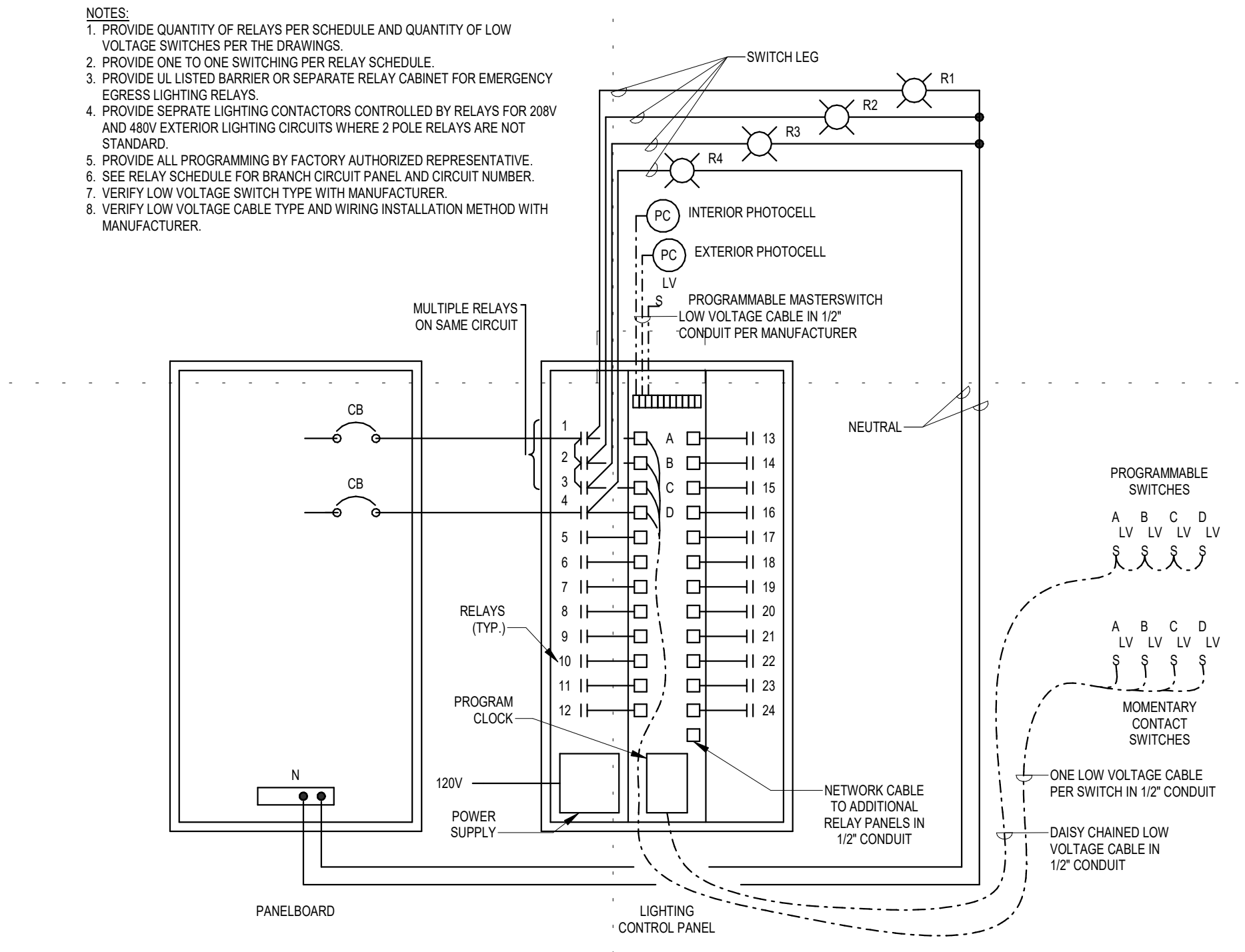
- NOTES:
1. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL TELEVISION OUTLETS WITH THE ARCHITECT PRIOR TO INSTALLATION.
  2. ALL DEVICES SHOWN ON THE DETAIL ARE FOR REFERENCES OF MOUNTING HEIGHTS ONLY. THE ELECTRICAL CONTRACTOR SHALL FIELD ADJUST THE HEIGHTS OF THE DEVICES AS REQUIRED FOR PROPER MOUNTING OF THE DEVICES.
  3. ALL DEVICES REQUIRES FOR THE PROJECT MAY NOT APPEAR ON THIS DETAIL. ALL ITEMS SHOWN ON THIS DETAIL MAY NOT BE REQUIRED FOR THIS PROJECT.
  4. FIRE ALARM NOTIFICATIONS ARE TO BE MOUNTED NO HIGHER THAN 96\"/>

2 TELEPHONE/DATA RACEWAY DIAGRAM  
EE501 NO SCALE

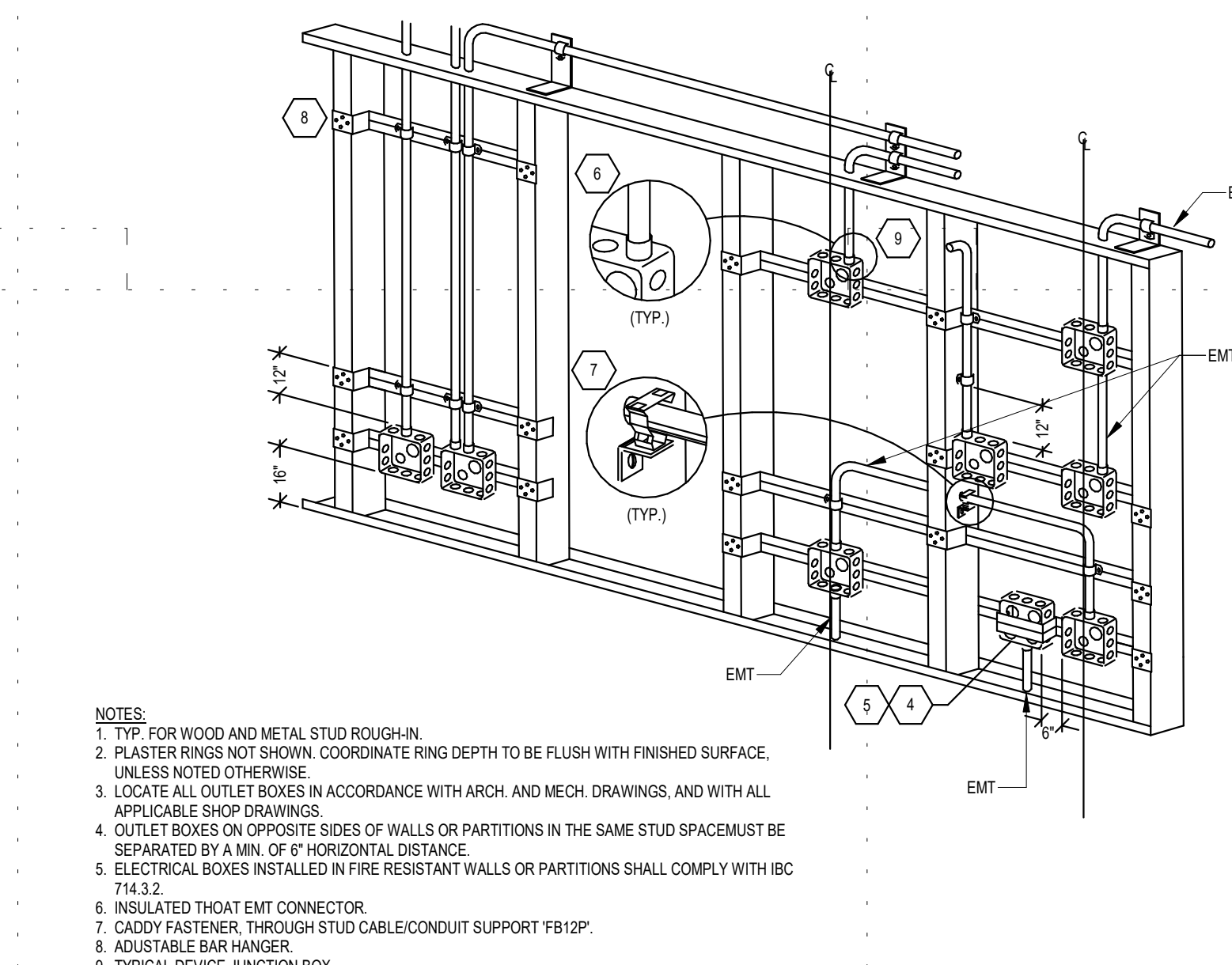


- NOTES:
1. PROVIDE PULLCORD IN ALL EMPTY RACEWAYS.
  2. BOND ALL RACEWAY AND METAL RACKS TO BONDING TERMINAL.
  3. PROVIDE BLANK COVERPLATES ON ALL UNUSED BOXES.

5 PROGRAMMABLE LIGHTING CONTROL DETAIL  
EE501 NO SCALE

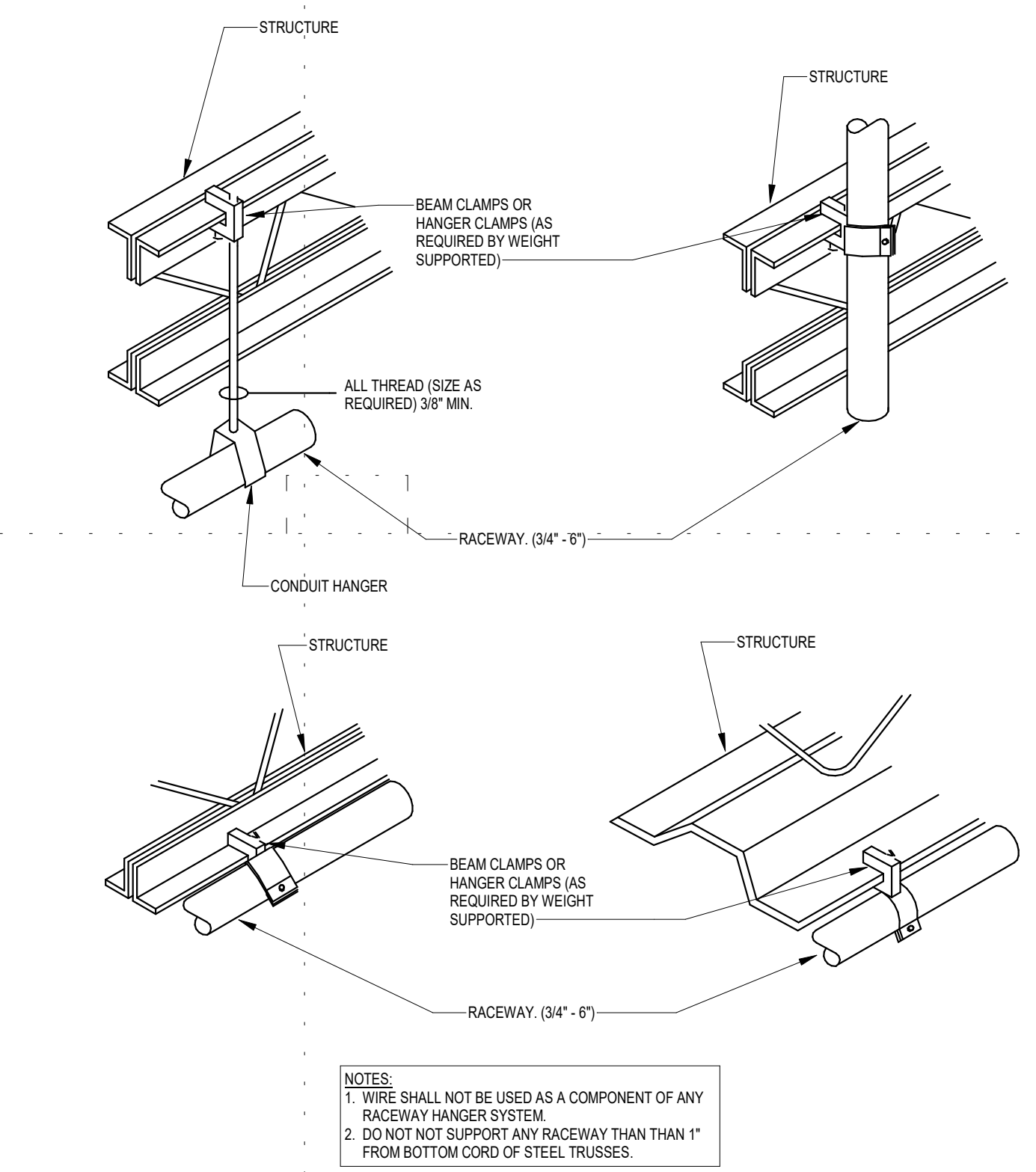


3 ROUGH-IN DETAIL  
EE501 NO SCALE



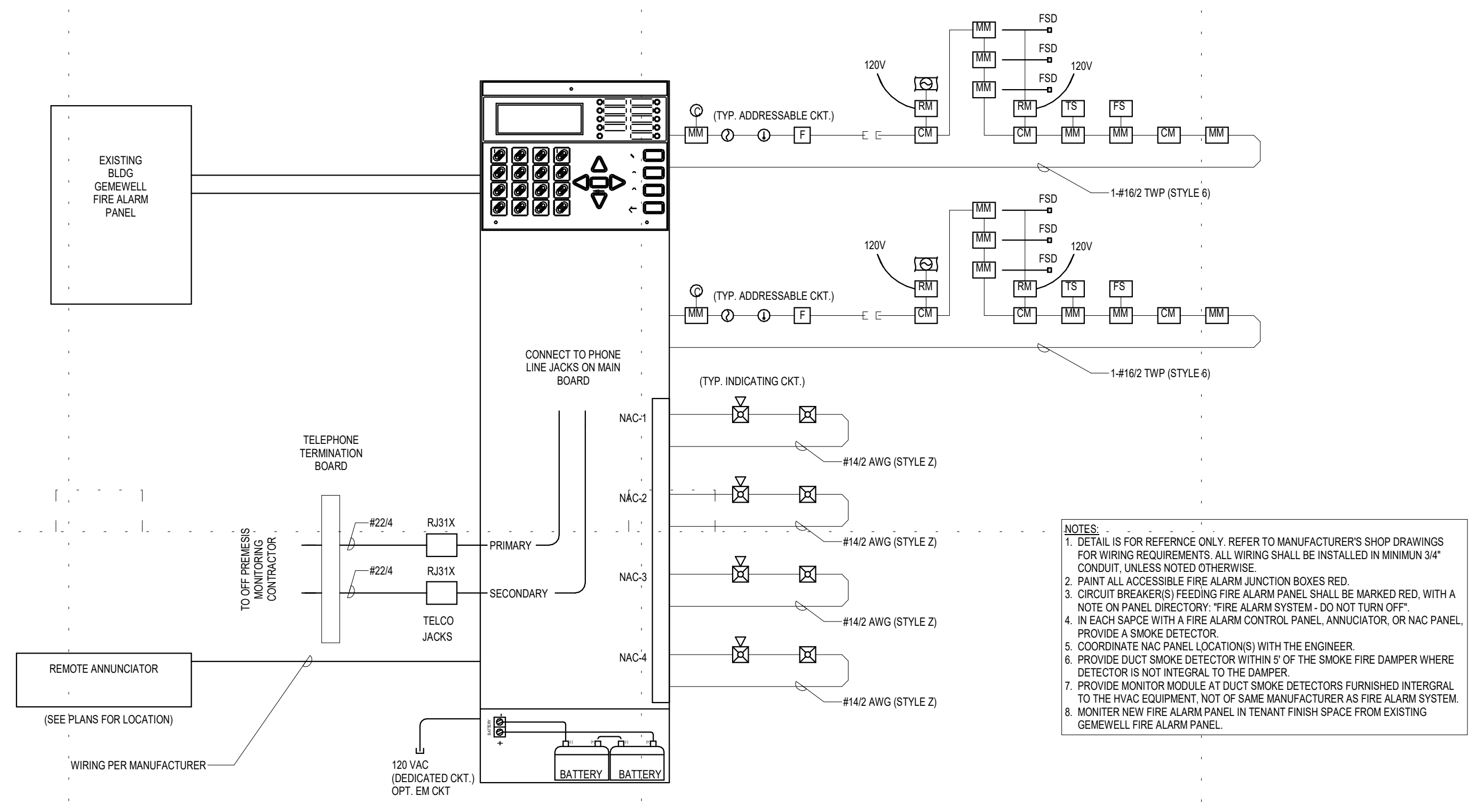
- NOTES:
1. TYP. FOR WOOD AND METAL STUD ROUGH-IN.
  2. PLASTER RINGS NOT SHOWN. COORDINATE RING DEPTH TO BE FLUSH WITH FINISHED SURFACE, UNLESS NOTED OTHERWISE.
  3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCH. AND MECH. DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.
  4. OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACEMUST BE SEPARATED BY A MIN. OF 6\"/>

8 RACEWAY SUPPORT METHODS DIAGRAM  
EE501 NO SCALE



- NOTES:
1. WIRE SHALL NOT BE USED AS A COMPONENT OF ANY RACEWAY HANGER SYSTEM.
  2. DO NOT SUPPORT ANY RACEWAY THAN THAN 1\"/>

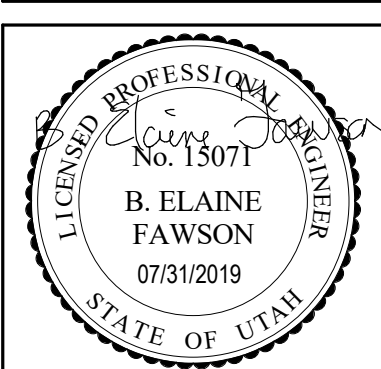




LEVEL 1

1 FIRE RISER DIAGRAM  
EE502 NO SCALE

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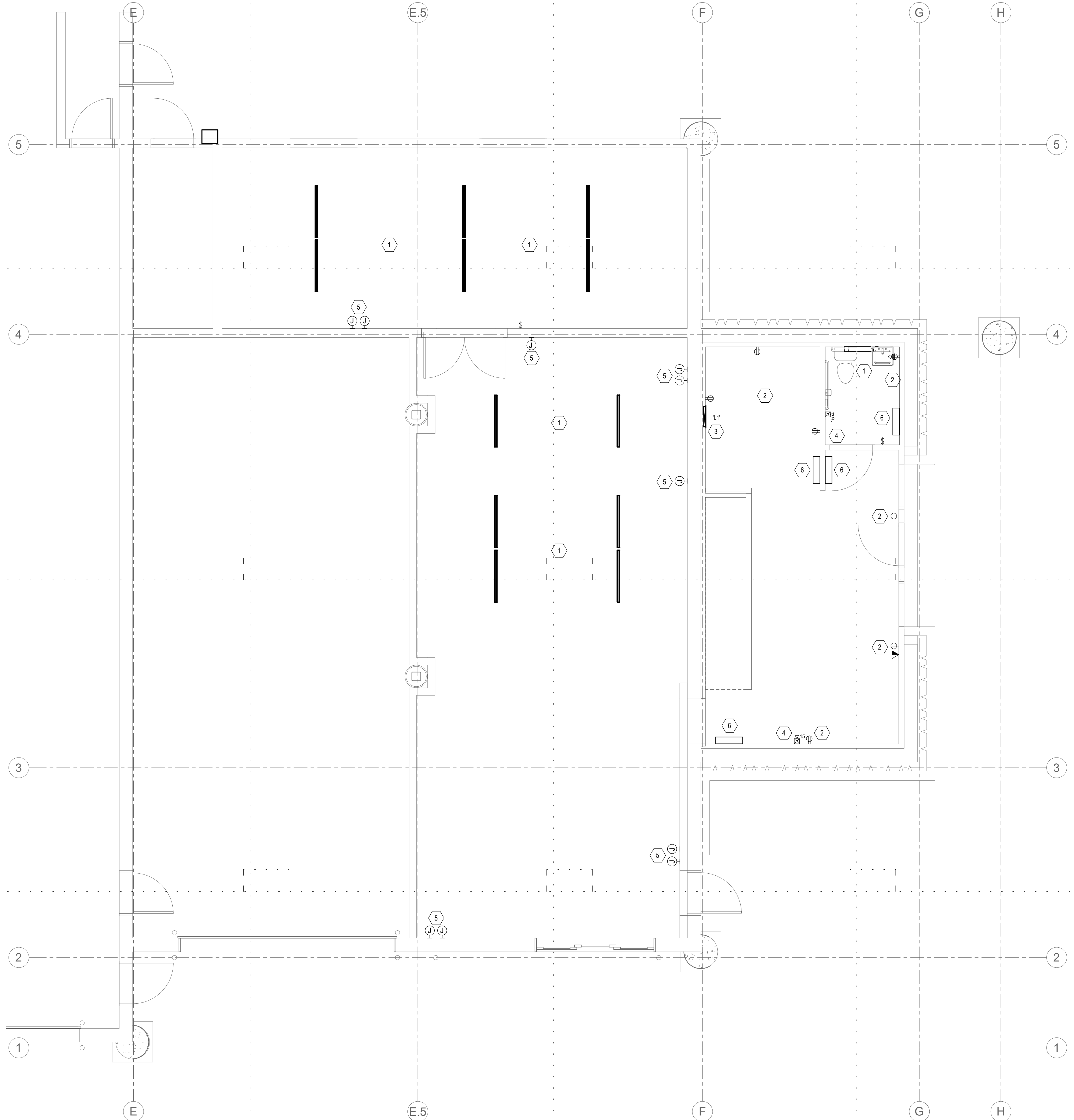


ELECTRICAL  
DETAILS

EE502

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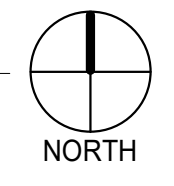
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# KEYED NOTES

- 1 REMOVE EXISTING LIGHT FIXTURES AND RETURN TO THE OWNER, OR PROPERLY DISPOSE OF. REMOVE EXISTING LIGHT SWITCHES. REMOVE EXISTING EXPOSED CONDUIT AND REMOVE WIRING BACK TO THE PANEL, OR TO THE FIRST ACTIVE LIGHT OUTSIDE THE REMODEL AREA THAT REMAINS IN SERVICE. PROVIDE ALL WORK REQUIRED TO MAINTAIN EXISTING LIGHTS ON OUTSIDE THE REMODEL AREA IN SERVICE.
- 2 REMOVE EXISTING RECEPTACLES AND REPLACE WITH NEW RECEPTACLES AND COVERPLATES. EXTEND WIRING TO EXISTING PANEL L1 AS REQUIRED.
- 3 EXISTING PANEL L1 TO REMAIN AT EXISTING LOCATION. MAINTAIN NEC CLEARANCES.
- 4 REMOVE EXISTING GAMEWELL FIRE ALARM HORN/STROBE. MAINTAIN EXISTING FIRE ALARM LOOP.
- 5 PROVIDE BLANK COVERPLATES OVER EXISTING JUNCTION BOXES WHICH REMAIN IN SERVICE.
- 6 REMOVE WIRING FROM EXISTING WALL HEATERS BACK TO THE PANEL.

1 LEVEL 1 ELECTRICAL DEMOLITION PLAN  
ED101 1/4" = 1'-0"



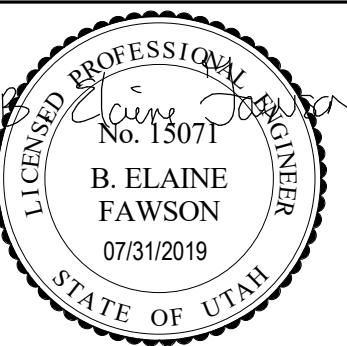
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INTERMOUNTAIN SNOWBASIN CLINIC  
3925 SNOW BASIN RD  
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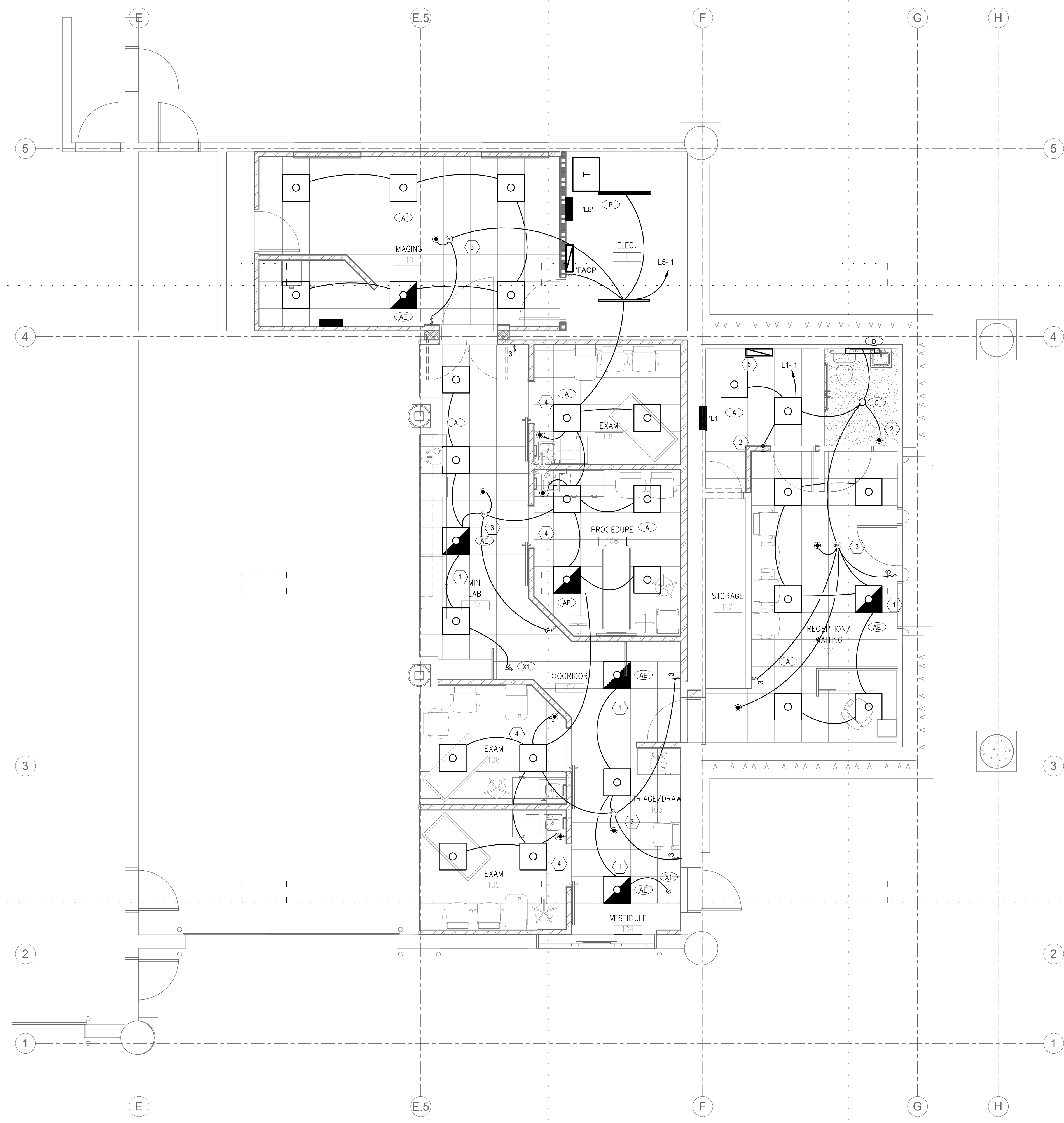


LEVEL 1  
ELECTRICAL  
DEMOLITION  
PLANS

ED101

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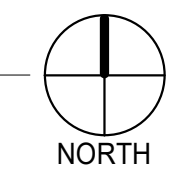
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# **KEYED NOTES**

- 1 EXTEND A HOT CONDUCTOR AHEAD OF THE POWER PACK OR VACANCY SENSOR TO THE EMERGENCY BATTERY PACK. USE SAME CIRCUIT PROVIDED FOR NORMAL OPERATION OF THE FIXTURES.
- 2 PROVIDE WALL MOUNTED DUAL TECHNOLOGY VACANCY SENSOR SWITCH.
- 3 PROVIDE CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSORS, POWER PACK, LOW VOLTAGE SWITCHES AND LOW VOLTAGE WIRING AS REQUIRED.
- 4 PROVIDE WALL MOUNTED DUAL TECHNOLOGY VACANCY SENSOR/DIMMER SWITCH AND LOW VOLTAGE WIRING AS REQUIRED.
- 5 CIRCUIT TO A SPARE 20 AMP 1 POLE CIRCUIT BREAKER IN EXISTING PANEL L1.

1 **LEVEL 1 LIGHTING PLAN**  
 EL101 1/4" = 1'-0"



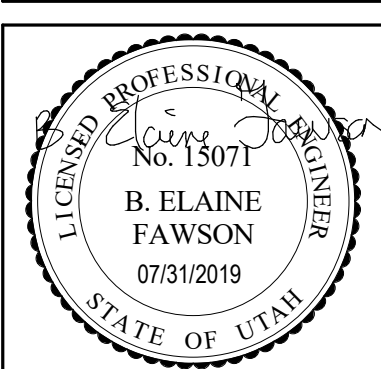
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**LIGHTING PLAN**

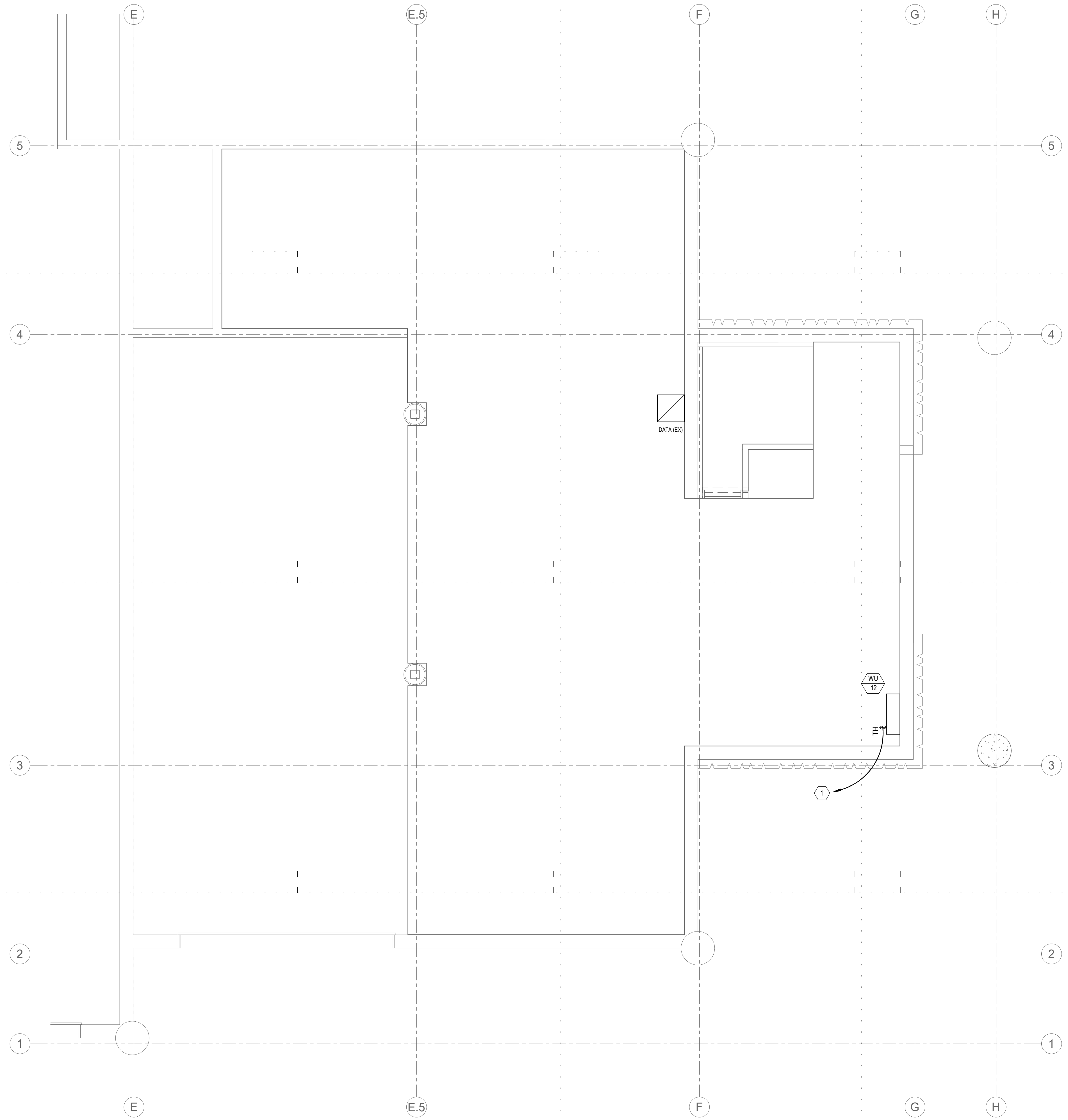
**EL101**





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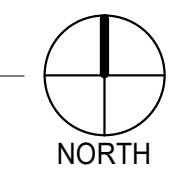
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# KEYED NOTES

1 CIRCUIT TO SAME CIRCUIT AS WU-1 BELOW.

1 LEVEL 2 POWER PLAN  
EP102 1/4" = 1'-0"



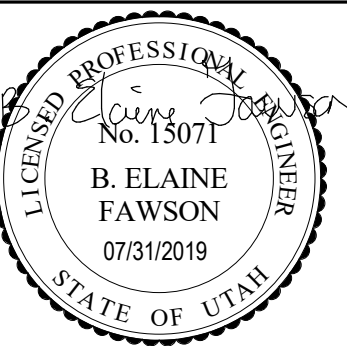
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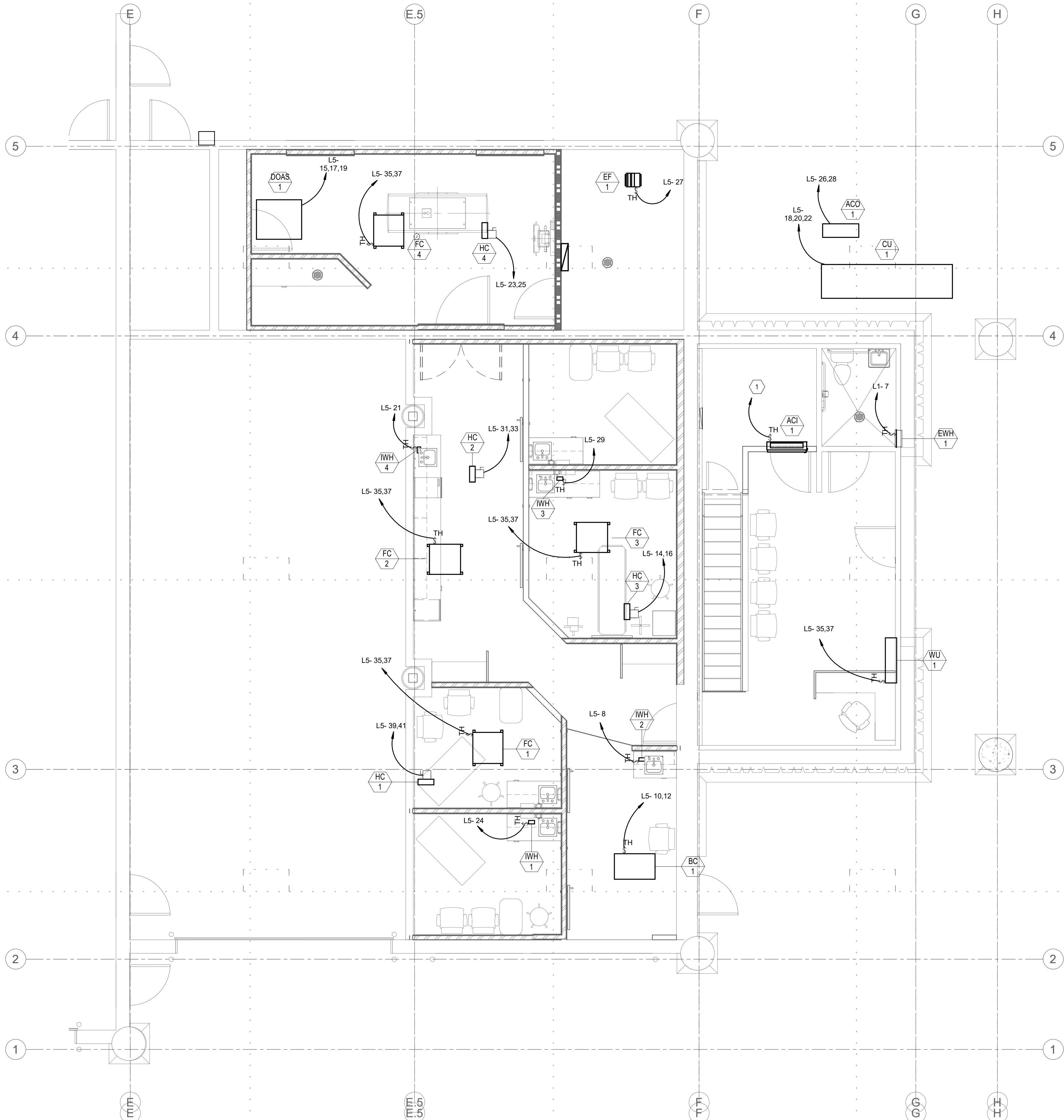


POWER PLAN

EP102

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# KEYED NOTES

1 CIRCUIT INDOOR UNIT THROUGH OUT DOOR UNIT.

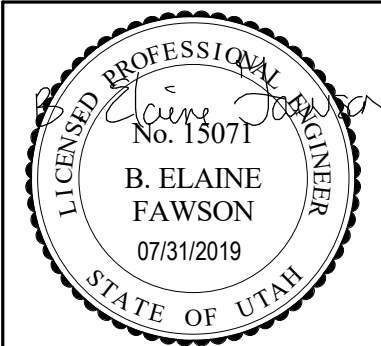
1 LEVEL 1 HVAC PLAN  
EP111 1/4" = 1'-0"

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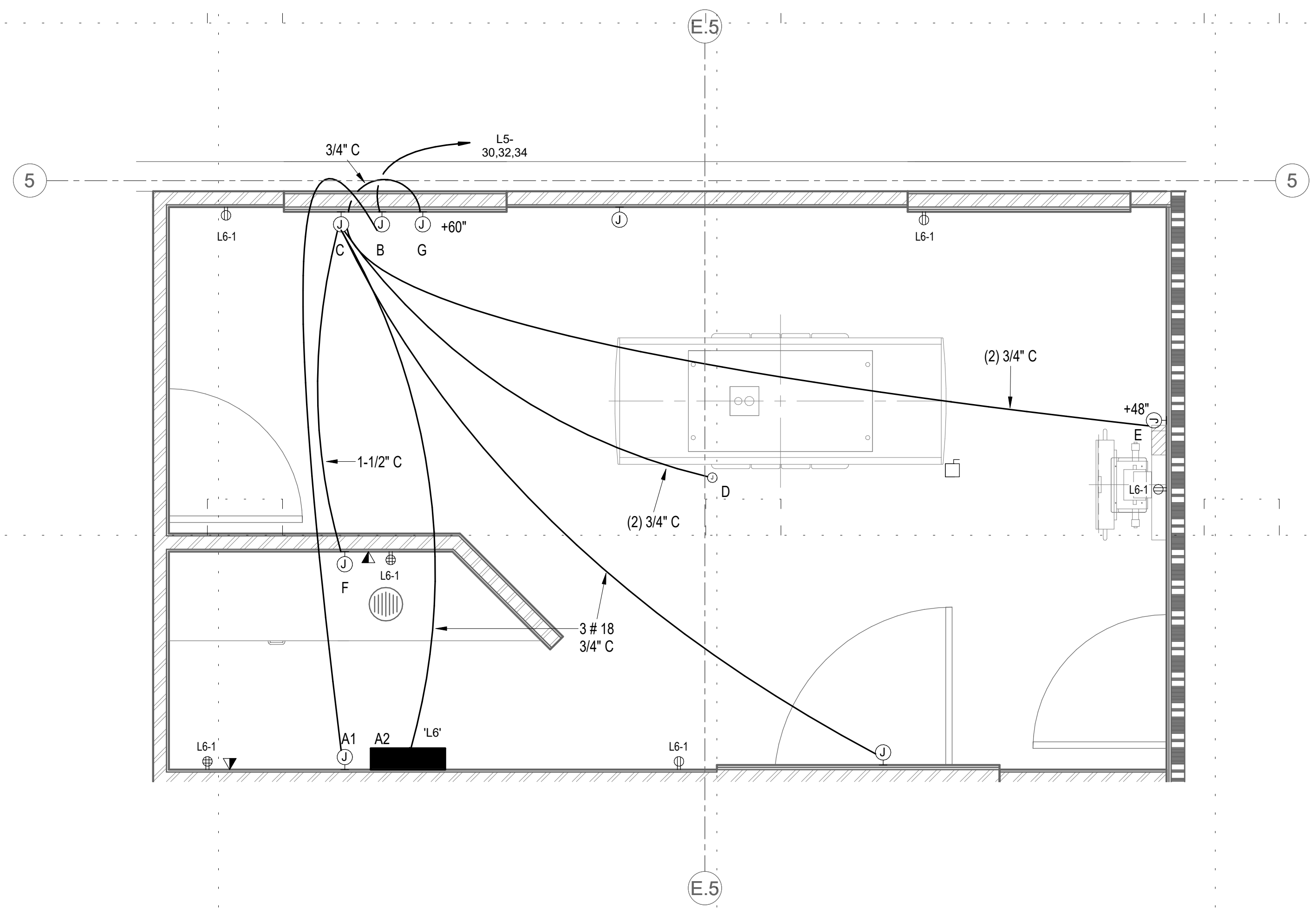


HVAC POWER PLAN

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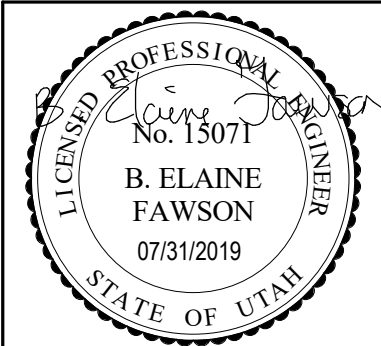
EP111





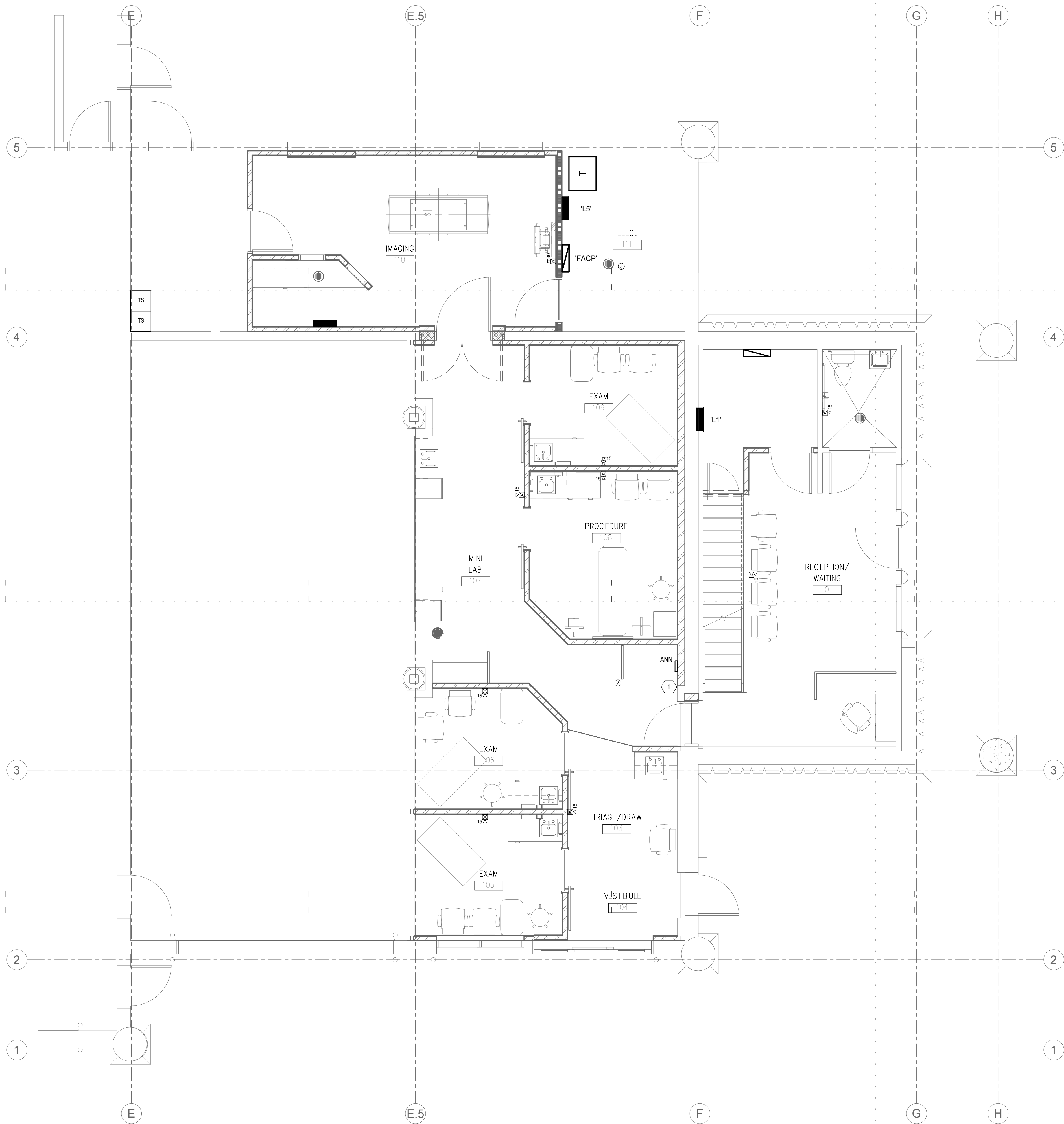
1 IMAGING POWER PLAN  
 EP112 1/2" = 1'-0"

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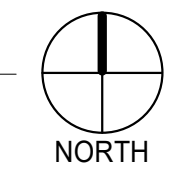
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### KEYED NOTES

1 PROVIDE FLUSH MOUNTED FIRE ALARM REMOTE ANNUNCIATOR PANEL

1 LEVEL 1 SYSTEMS PLAN  
EY101 1/4" = 1'-0"



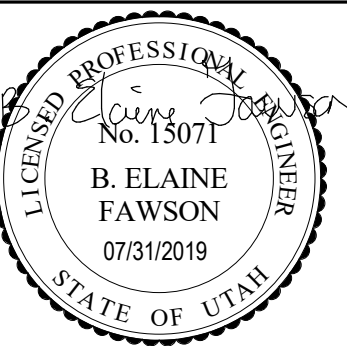
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INTERMOUNTAIN SNOWBASIN CLINIC  
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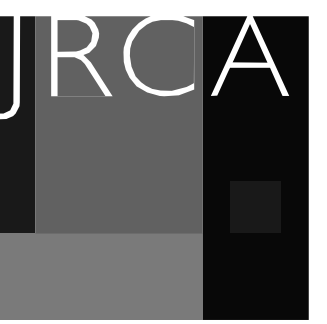
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SYSTEMS PLAN

EY101



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# KEYED NOTES

1. ADD NEW 175A 3P 35,000 A.I.C. CIRCUIT BREAKER IN EXISTING 277/480V 3 PHASE CUTLER HAMMER DISTRIBUTION PANEL.

**CONDUCTOR & CONDUIT SCHEDULE - COPPER**

TYPE	CONDUCTOR					CONDUIT SIZE	KEYED NOTES
	AMP	SETS	QTY	SIZE	EQ GND		
40-4	40	1	4	8	10	3/4"	1
400-4	400	2	4	#3/0	3	2-1/2"	1

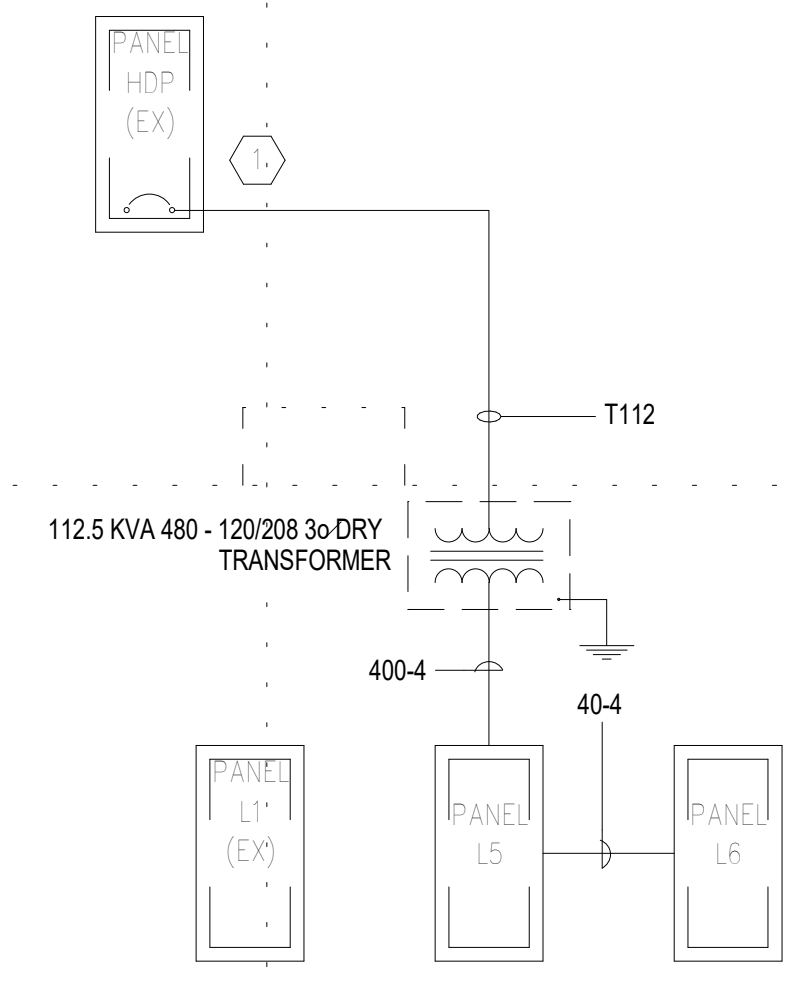
GENERAL NOTES:  
- THHN/THWN/THWN-2 FOR 400 KC MIL AND BELOW, XHHW/XHHW-2 FOR 500 KC MIL AND ABOVE.  
- GROUND CONDUCTOR SHALL BE DELETED ON SERVICE ENTRANCE CONDUCTORS.  
- SIZE ALL CONDUITS IN ACCORDANCE WITH 2014 NEC CHAP 9, TABLE 1.

KEYED NOTES:  
1. REFER TO 2014 NEC 310.16 FOR 75°C RATED COPPER AND 110.14(C)(1)(a) FOR 60°C COPPER.  
2. 200% NEUTRAL (OR 2 NEUTRAL CONDUCTORS).  
3. AMPACITY DERATED BY 80% DUE TO (4-6) CURRENT CARRYING CONDUCTORS AND IS BASED ON 2017 NEC 310.16 FOR 90°C RATED COPPER.

**TRANSFORMER FEEDER SCHEDULE - COPPER**

TYPE	KVA	AMPERES		PRIMARY FEEDER			CONDUIT SIZE	GND ELECTRODE	
		PRIM	SEC	QTY	SIZE	E.G.		SIZE	CONDUIT
T112	112.5	136	312	3	#1/0	6	1-1/2"	#1/0	3/4"

GENERAL NOTES:  
- REPRESENTATIVE OF STEP-DOWN DRY-TYPE TRANSFORMERS CONFIGURED TO 480V (DELTA PRIMARY) AND 208Y/120V (WYE SECONDARY), 3 PHASE.  
- GROUNDING ELECTRODE CONDUCTOR SHALL BE OF TYPE THHN CU IN EMT CONDUIT.  
- SIZE ALL CONDUITS IN ACCORDANCE WITH 2014 NEC CHAP 9, TABLE 1.  
- COPPER THW FOR PRIMARY FEEDERS.



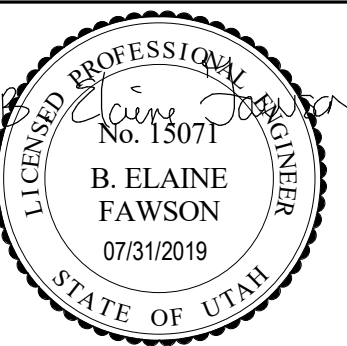
1 ONE-LINE DIAGRAM  
EE601 NO SCALE

INTERMOUNTAIN SNOWBASIN CLINIC

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ONE-LINE DIAGRAM

EE601

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**Branch Panel: L1**

Location: Space 52  
Supply From: (EX)  
Mounting: Recessed  
Enclosure: Type 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4

A.I.C. Rating:  
Mains Type:  
Mains Rating: 100 A  
MCB Rating: 1 A

CKT	Circuit Description	Code	BRK	P	Size	A (VA)	B (VA)	C (VA)	Size	P	BRK	Code	Circuit Description	CKT
1	Lighting Space 101		20 A	1		296	0						SPACE	2
3	DATA RACK		20 A	1			180	0					SPACE	4
5	Receptacle Space 101		20 A	1				360	0				SPACE	6
7	EW-H-1		20 A	1		1500	0						SPACE	8
9	EXISTING LOAD		20 A	1			0	0					SPACE	10
11	EXISTING LOAD		20 A	1				0	0				SPACE	12
13	SPACE		--	--		0	0						SPACE	14
15	SPACE		--	--				0	0				SPACE	16
17	SPACE		--	--					0	0			SPACE	18

Total Load: 1783 VA 180 VA 360 VA  
Total Amps: 15 A 2 A 3 A

Code:  
1 = See Drawings For Conduit & Conductor Sizes  
2 = Shunt-Trip Breaker  
3 = Subfeed Breaker  
4 = Provide Lock Off Device  
5 = GFCI Breaker  
6 = GFEP Breaker

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	1500 VA	125.00%	1875 VA	
Receptacle	540 VA	100.00%	540 VA	Total Conn. Load: 2322 VA
Lighting	296 VA	125.00%	370 VA	Total Est. Demand: 2768 VA
				Total Conn.: 6 A
				Total Est. Demand: 8 A

Notes:

**Branch Panel: L6**

Location: Space 58  
Supply From: L5  
Mounting: Surface  
Enclosure: Type 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4

A.I.C. Rating:  
Mains Type: C/B  
Mains Rating: 40 A  
MCB Rating: 1 A

CKT	Circuit Description	Code	BRK	P	Size	A (VA)	B (VA)	C (VA)	Size	P	BRK	Code	Circuit Description	CKT
1	Receptacle Space 110		20 A	1		1080								2
3														4
5														6
7														8
9														10
11														12

Total Load: 1080 VA 0 VA 0 VA  
Total Amps: 9 A 0 A 0 A

Code:  
1 = See Drawings For Conduit & Conductor Sizes  
2 = Shunt-Trip Breaker  
3 = Subfeed Breaker  
4 = Provide Lock Off Device  
5 = GFCI Breaker  
6 = GFEP Breaker

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Receptacle	1080 VA	100.00%	1080 VA	Total Conn. Load: 1080 VA
				Total Est. Demand: 1080 VA
				Total Conn.: 3 A
				Total Est. Demand: 3 A

Notes:

**EQUIPMENT SCHEDULE**

TYPE	DESCRIPTION	ELECTRICAL				OVER CURRENT PROTECTION				STR	REMARKS	
		V/PH	LOAD	FLA	WIRE	COND	OC/PD	DISC	FUSE			NEMA
ACI-12	SPLIT SYSTEM	208/1	1 MCA	0.8	1 2 12 12	3/4"	-	C1	30/2	15	-	4A
ACO-12	SPLIT SYSTEM	208/1	11 MCA	8.8	1 2 12 12	3/4"	20	C1	30/2	3	-	1B
BC-16	BRANCH CONTROLLER	208/1	1.65 MCA	1.3	1 2 12 12	3/4"	20	C1	60/3	60	-	1B
CU-96	CONDENSING UNIT	208/3	44 MCA	35.2	1 3 6 10	1"	60	C1	60/3	60	-	1B
DOAS-1	OUTSIDE AIR UNIT	208/3	44 MCA	35.2	1 3 6 10	1"	60	C1	60/3	60	-	1B
EC-2	ELECTRIC HEAT COIL	208/3	2 KW	5.6	1 3 12 12	3/4"	20	C1	30/3	-	-	2A
EF-1	EXHAUST FAN	120/1	1/6 HP	4.4	1 2 12 12	3/4"	20	C1	-	-	-	4A
EW-H-1	ELECTRIC WALL HEATER	120/1	1.5 KW	12.5	1 2 12 12	3/4"	20	C1	-	-	-	4A
FC-6	VRF UNIT	208/1	1.05 MCA	0.8	1 2 12 12	3/4"	20	C1	-	-	-	4A
FC-9	VRF UNIT	208/1	1.05 MCA	0.8	1 2 12 12	3/4"	20	C1	-	-	-	4A
FC-12	VRF UNIT	208/1	1.2 MCA	1.0	1 2 12 12	3/4"	20	C1	-	-	-	4A
FC-15	VRF UNIT	208/1	1.45 MCA	1.2	1 2 12 12	3/4"	20	C1	-	-	-	4A
WH-M	WATER HEATER	120/1	3.5 KW	29.2	1 2 8 10	3/4"	40	C1	-	-	-	4A
WH-S	WATER HEATER	120/1	3.5 KW	29.2	1 2 8 10	3/4"	40	C1	-	-	-	4A
WU-8	VRF UNIT	208/1	0.38 MCA	0.3	1 2 12 12	3/4"	20	C1	-	-	-	4A
WU-12	VRF UNIT	208/1	0.38 MCA	0.3	1 2 12 12	3/4"	20	C1	-	-	-	4A
XR-1	X-RAY GENERATOR	208/3	85 FLA	85.0	1 3 2 6	1-1/4"	125	C1	100/3	100	-	1A

ABBREVIATIONS:  
V/PH = VOLTAGE/PHASE  
KW = KILOWATTS  
W = WATTS  
HP = HORSEPOWER

KVA = KILOVOLT AMPERES  
VA = VOLT AMPERES  
MCA = MINIMUM CIRCUIT AMPACITY  
FLA = FULL LOAD AMPERES

GND = GROUND  
DISC = DISCONNECT  
STR = STARTER

COND = CONDUIT  
OC/PD = OVERCURRENT PROTECTIVE DEVICE  
PL = POLE

MOCP = MAXIMUM OC/PD (LISTED BY THE MANUFACTURER)

REMARKS:  
1. NEMA 1 FUSED DISCONNECT SWITCH  
2. NEMA 1 NON-FUSED DISCONNECT SWITCH  
3. BREAKER IN ENCLOSURE  
4. MANUAL STARTER WITH THERMAL OVERLOAD  
5. MANUAL MOTOR CONTROLLER W/OUT THERMAL OVERLOAD  
6. MAGNETIC STARTER  
7. MAGNETIC STR/NON-FUSED DISCONNECT COMBINATION  
8. MAGNETIC STR/FUSED DISCONNECT COMBINATION  
9. NEMA 3R FUSED DISCONNECT SWITCH  
10. NEMA 3R NON-FUSED DISCONNECT SWITCH  
11. VARIABLE FREQUENCY DRIVE  
12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.  
13. DIRECT CONNECTION  
14. DUCT DETECTOR IN RETURN AIR DUCT  
15. CONTROLLED WITH LIGHTS  
16. LM-EB DISCONNECT W/CTRL WIRING TO VFD

REMARKS:  
A. FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26.  
B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTION UNDER DIV 26.  
C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIV 26.  
D. FURNISHED, INSTALLED AND CONNECTED UNDER ANOTHER DIVISION.  
E. FURNISHED AND INSTALLED UNDER DIV 26 REQUIRING CONNECTION UNDER ANOTHER DIVISION.

OC/PD TYPES:  
C1 = THERMAL MAGNETIC CIRCUIT BREAKER  
C2 = MAGNETIC ONLY CIRCUIT BREAKER

F1 = INDUCTIVE FUSE (CLASS RK5)  
F2 = NON-INDUCTIVE FUSE (CLASS RK1)

NOTES:  
- THE DIVISION 26 CONTRACTOR MAY INCREASE THE CONDUIT SIZE BY ONE INCREMENTAL SIZE TO FACILITATE INSTALLATION OR TO HELP WITH MATERIAL AVAILABILITY/COST.

GENERAL NOTE: THE EC SHALL COORDINATE ALL REQUIREMENTS (IE. MOCP SIZE, UNIT THERMAL PROTECTION, ETC) WITH APPROVED MECHANICAL SHOP DRAWINGS/ SUBMITTALS AND BRING UP ANY DISCREPANCIES WITH THE ELECTRICAL ENGINEER OF RECORD IN WRITING PRIOR TO ROUGH-IN.

**Branch Panel: L5**

Location: Space 43  
Supply From:  
Mounting: Surface  
Enclosure: Type 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4

A.I.C. Rating: 22,000  
Mains Type: C/B  
Mains Rating: 400 A  
MCB Rating: 350 A

CKT	Circuit Description	Code	BRK	P	Size	A	B	C	Size	P	BRK	Code	Circuit Description	CKT
1	Lighting Space 58		20 A	1		801	360						Receptacle MINI LAB	2
3	FACP		20 A	1			0	900					Receptacle EXAM 106	4
5	Receptacle Exam 109		20 A	1				720	900				Receptacle EXAM 105	6
7	Receptacle Procedure 108		20 A	1		1440	3500						IWH-2	8
9	Receptacle ULTRACLAVE		20 A	1			180	0					BC-1	10
11	Receptacle MINI LAB		20 A	1				360	0					12
13	Receptacle Space 43		20 A	1		200	1000						HC-3	14
15								4227	1000					16
17	DOAS-1		60 A	3				4227	4227					18
19						4227	4227						CU-1	20
21	IWH-4		40 A	1			3500	4227						22
23	HC-4		20 A	2		1000	1000		1000	3500			IWH-1	24
25													ACO-1	26
27	EF-1		20 A	1			156	1000						28
29	IWH-3		40 A	1				3500	9967					30
31						1000	9967						IMAGING JUNCTION BOXES	32
33	HC-2		20 A	2			1000	9967						34
35								494	1080					36
37	FC-4		20 A	2		494	0						L6	38
39								1000	0					40
41	HC-1		20 A	2					1000	0			SPARE	42

Total Load: 29163 VA 27157 VA 30975 VA  
Total Amps: 246 A 226 A 261 A

Code:  
1 = See Drawings For Conduit & Conductor Sizes  
2 = Shunt-Trip Breaker  
3 = Subfeed Breaker  
4 = Provide Lock Off Device  
5 = GFCI Breaker  
6 = GFEP Breaker

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	50506 VA	106.28%	53676 VA	
Receptacle	5960 VA	100.00%	5960 VA	Total Conn. Load: 87294 VA
Lighting	801 VA	125.00%	1001 VA	Total Est. Demand: 90651 VA
N	30080 VA	100.00%	30080 VA	Total Conn.: 242 A
				Total Est. Demand: 252 A

Notes:

**LUMINAIRE SCHEDULE**

TYPE	FIXTURE DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTS	QTY	LAMPS TYPE	MOUNTING	DIMMING	VA	NOTES
A	2 X 2 LAY-IN LED FLAT PANEL; 3300 LUMENS; 4000K	METALUX COLUMBIA LITHONIA DAY-BRITE HUBBELL	22FP3240C	120		LED	LAY-IN	0-10V	29	
AE	2 X 2 LAY-IN LED FLAT PANEL; 3300 LUMENS; 4000K; 1400 LUMEN EMERGENCY BATTERY PACK	METALUX COLUMBIA LITHONIA DAY-BRITE HUBBELL	22FP3240C EL14W	120		LED	LAY-IN	0-10V	29	
B	4' LED LENSED STRIP LIGHT; 4400 LUMENS 4000K; CHAIN HUNG	METALUX COLUMBIA LITHONIA DAY-BRITE HUBBELL	4SLST 4040DD AYC-CHAINSET	120		LED	CHAIN	N/A	40	
C	6" SURFACE LED; 1200 LUMENS; WHITE FINISH; 4000K	HALO	SMD6 R12 940 WH	120		LED	SURFACE	N/A	15.3	
D	2' VANITY LED FIXTURE; 1900 LUMENS; 4000K	COLUMBIA	CWM 2 40 MW SM FR FA E U	120		LED	WALL	N/A	17	
X1	DIECAST LED SINGLE FACE EXIT SIGN; GREEN LETTERS, WHITE FACE, SELF DIAGNOSTICS	SURE-LITES	TPX-7-1-G-WH	120		LED	UNIVERSAL	N/A	1	

**Luminaire Schedule General Notes:**  
1. Refer to luminaire description for fixture requirements. Manufacturers model numbers may not be specific or complete. The contractor is responsible to provide complete fixtures as described on this schedule with all mounting hardware and equipment for a complete installation.  
2. Refer to the architectural reflected ceiling drawings for exact fixture locations and ceiling types. Verify exact ceiling types and bring to the attention of the architect and electrical engineer any discrepancies prior to bid. Fixtures shall match architectural ceiling types.  
3. Provide all fixture support and seismic bracing to secure fixture to structure, walls and ceiling systems. Refer to mounting details for additional requirements. Provide all pole bases as shown on the details.  
4. Prior approval shall be required for all manufacturers who are not listed on this schedule. The prior approvals shall be submitted to the electrical engineer (7) working days prior to the bid. Prior approvals received after this time cut-off shall not be reviewed or approved.  
5. Submittals for prior approval shall be equivalent to the specified fixtures and reviewed and signed by the principle of the organization that is submitting for approval. Provide complete fixture submittals as listed in the specification. All information that does not apply to the fixture being submitted shall be crossed out. The electrical engineer shall be the final determination if the fixture is equivalent or not.  
6. Fixtures that have been reviewed and approved as equivalent to the specified fixtures shall be listed in and addendum prior to bid. Light fixtures without prior approval are rejected and contractor shall base their bid on the approved listed fixtures. A verbal approval will not be given or approved by VBFA at any time.  
7. Any additional time required to verify if submitted fixture meets all photometric requirements shall be paid by the agency requesting approval. Photometric point-by-point plans may be required from the agency submitting for approval indicating equivalency.  
8. Color temperature for all lighting shall be 4000K unless noted otherwise in the schedule.  
9. Verify exact fixture finishes with the architect prior to submittal.  
10. Provide minimum 5 year warranty on all light fixtures.  
11. LED light fixtures shall meet LM79 and LM80 standards with +50,000 hour L70 lamp life  
12. Luminaire shall be listed per NEC 410.6.  
13. Lumens specified for fixtures with integral LEDs are total delivered fixture lumens  
14. Fixtures identified as emergency on the plans shall be provided with an emergency battery pack or remote inverter with a 1400 lumen output minimum for each emergency fixture.  
15. Fluorescent light fixtures shall have programmed start ballasts with less than 10% THD and .78 low ballast factor. Lamps shall be 3100 lumens with 40,000 hour life min.

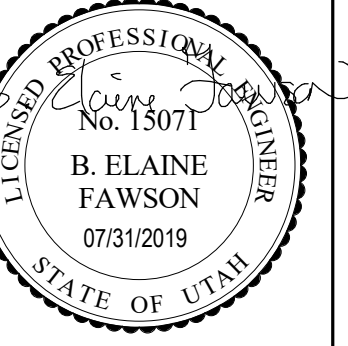


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INTERMOUNTAIN SNOWBASIN CLINIC  
3925 SNOW BASIN RD  
HUNTSVILLE, UTAH 84317

PROJECT #: 19328

BID DOCUMENTS	
DATE	REVISION



PANEL SCHEDULES

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